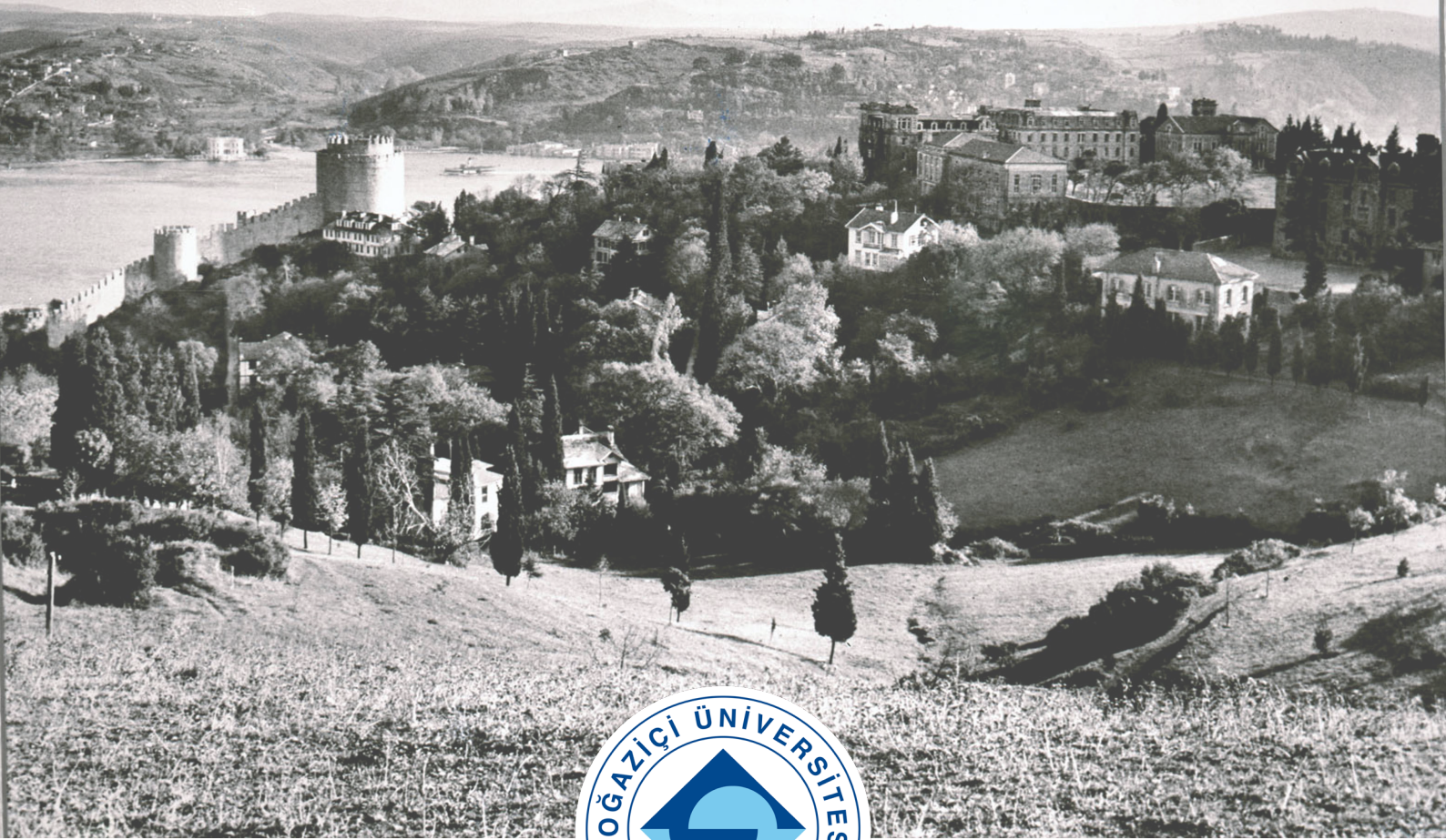


Boğaziçi University

Researchers Catalogue

*Science, Research,
Creativity and Innovation*



Fall - 2020

Boğaziçi University

Researchers Catalogue

*Science, Research,
Creativity and Innovation*



Fall - 2020

Boğaziçi University
İstanbul

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Boğaziçi University Cataloging –in-Publication Data

Boğaziçi University Researchers Catalogue:
Science, Research, Creativity and Innovation: Fall 2020 / Boğaziçi University

p. ; ill. ; 21 x 26 cm.

ISBN: 978-975-518-423-4

- 1.Boğaziçi University – Curricula.
2. Boğaziçi University - - Research LF5222.C8

Boğaziçi University Researchers Catalogue
Certification No: 11124

Boğaziçi University

Researchers Catalogue

*Science, Research,
Creativity and Innovation*



Fall - 2020



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ABOUT BOĞAZIÇI UNIVERSITY



Having launched its teaching and research activities at only one campus in 1971 and now with its seven campuses established on 1,669,106m² in total, Boğaziçi University has since contributed to higher education and scientific development as one of the pioneer and esteemed research universities of Turkey.

In the University Strategic Plan, research topic was covered under two headlines: **(1) Increasing Research and Resource Effectiveness;** **(2) Empowering Culture of Science, Research, Creativity and Innovation.** While under the first headline the steps towards the enhancement of research infrastructure, increasing and diversifying the resources and transforming the research data into resources are defined, under the second headline; developing research strategy, ensuring research visibility and its integration with all other activities at the University were targeted. In our Strategic Plan, ensuring the visibility of science, creativity and innovation, sharing research results with public in other ways beside high quality publications and extending the research culture by encouraging research integrated in education at the University were targeted. At Boğaziçi University, teaching and research are the main two complementary and supporting components. As per this philosophy underlying any successful university, our University encourages the research life in all current and prioritized topics related to all academic fields in a multi- and inter-disciplinary manner, in cooperation with diverse sectors and international actors, placing a high emphasis on social and basic sciences.

At Boğaziçi University, in 29 academic departments under four faculties, two schools for vocational studies and six institutes; a total of 33 undergraduate programs, 67 master programs of which 46 are executive and other graduate programs and 33 doctoral programs are available. Being a research university, the university holds 32 research centers and 147 research labs working on unique research topics. Of a total of 15.918 registered students, 12.887 are undergraduate, 3.031 are graduate and 1.064 are doctoral students.

Boğaziçi University has targeted motivating the researchers working in the research centers and labs for generating high quality publications and new research projects; supporting research-development-innovation, centers of excellences and large-scale, strategically important, multi-and inter-disciplinary research, and increasing capacity in key and emerging research areas. Based on this strategic priority, the University was structured to activate the support service to project activities and researchers. Boğaziçi University supports the researchers with a body including Research Planning Coordination (APK) Office, Boğaziçi University Research Fund (BAP) Administrative Coordinatorship, BAP Financial Coordinatorship, Revolving Funds (DÖSE) Enterprise Directorate along with Technology Transfer Office (TTO) with International and National Projects Units and Patent Office under it.

Boğaziçi University supports research projects by utilizing its internal resources through BAP and provides information, education and project writing services within its TTO for accessing national and international project resources. TTO acts as a medium to bring the University and industry together to develop mutual projects. and to design intellectual property rights and working conditions with contracts. TTO also provides services for management and licensing of intellectual and industrial rights. Public or industry supported projects are carried out at Boğaziçi University Technopark (BÜN Teknopark) or Revolving Funds Enterprise.

Boğaziçi University supports entrepreneurship activities of its researcher and students in pre-incubation centers within TTO, in KOSGEB/TEKMER and BÜN Teknopark incubators.

The doctoral degrees of full-time Faculty of Boğaziçi University are received either from abroad or from one of the distinguished universities of Turkey. Of currently 429 full-time faculty members, 322 have got their doctoral degrees from abroad; 65 are graduates of Boğaziçi University, 14 are graduates of Middle East Technical University, 7 are graduates of Istanbul Technical University, 6 are graduates of Istanbul University and 18 are graduates of other Turkish universities. Academic staff includes 47 faculty members and 51 instructors of diverse nationalities, working on a contract basis in various departments.

September 2020

1

Faculties

The Faculty of Arts and Sciences



The contribution of Boğaziçi University to higher education stems both from its philosophy of education and the unique content of its courses. The Faculty of Arts and Sciences plays a key role in this contribution through the program of courses it provides, which also constitutes a major portion of the curricular requirements of other Faculties during the first four semesters of study. The goal of The Faculty of Arts and Sciences is to provide a well-balanced and challenging curriculum implemented in a way to enable the students to acquire a solid educational background as well as a capacity for critical thinking, and hence for exploration and independent research. The Faculty of Arts and Sciences offers programs leading to the degree of Bachelor of Science in Chemistry, Mathematics, Molecular Biology and Genetics, and Physics, and to the degree of Bachelor of Arts in History, Psychology, Sociology, Translation and Interpreting Studies, Turkish Language and Literature, and Western Languages and Literatures. There are double major programs for students who prefer to pursue a more interdisciplinary approach in their studies. Additionally, a number of special certificate programs lead to concentration on selected topics. For those wishing to pursue graduate work, departments offer masters and doctoral programs through the Institute for Graduate Studies in Science and Engineering, and the Institute for Graduate Studies in Social Sciences.

1. Chemistry

In a scientific and technological age, everyone should be exposed to some degree to the theories, laws, applications and potentials of chemistry. The department provides students with a knowledge and understanding of the composition, structure, properties, and transformations of natural and man-made substances. Introductory courses in the department provide a broad overview of the science of chemistry for both chemistry and non-chemistry majors. Intermediate and advanced courses provide a solid foundation for those who wish to pursue graduate work in chemistry or choose chemistry-related careers in industry, government and education. All courses are supplemented with laboratory classes in which the students become skilled in "wet" chemistry, and at the same time become acquainted with the advanced instrumental techniques. The undergraduate program exposes the students not only to various areas of chemical sciences but also mathematics, physics, complementary science and engineering electives, social science and a computer elective. Students must also complete a minimum of 60 workdays of training in a chemistry related-facility. Additionally, there are double-major programs with the departments of Physics, Chemical Engineering and Molecular Biology and Genetics. Apart from required laboratory courses, undergraduates are also exposed to various research laboratories in the department through elective research courses. The department also offers a strong graduate program where students can earn MS and PhD degrees by conducting research projects. Our faculty members work in a variety of novel and cutting edge research areas related to analytical chemistry, biochemistry, biomaterials, computational chemistry and biology, drug discovery, inorganic chemistry, nanomaterials, organic synthesis, physical chemistry and polymer science.

Chemistry Labs:

- Archaeological Science Laboratory
- Environmental Chemistry and Electrochemistry Laboratory
- Natural Products Chemistry Laboratory
- Photochemistry/Nanomaterial Laboratory
- Computational Chemistry Laboratory
- Pharmaceutical Chemistry Laboratory
- Organic Synthesis Laboratory
- Organic Synthesis and Polymeric Coating Laboratory
- Organic/Organometallic Application Modelling Laboratory
- Organic Supramolecular Chemistry Laboratory
- Polymer Chemistry Laboratory I
- Polymer Chemistry Laboratory II
- Mechanical and Thermal Polymer Characterization Laboratory
- Polymer Processing and Nanocomposite Laboratory
- Polymer Synthesis and Characterization Laboratory
- Spectroscopy and Chromatography Laboratory
- Surface and Colloid Chemistry Laboratory



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keywords

Polymer synthesis, organic chemistry of drug design, synthetic fibers, powder coating, ink Weatherable polymers, reactive extrusion, industrial synthetic chemistry

education

BS, Boğaziçi University
MSc, Boğaziçi University
PhD, University of Geneva, organic chemistry

shortbio

1999-2000 University of Southern Mississippi, 2000-2004 General Electric Global Research Center, 2004- Boğaziçi University Chemical Consultant to Kordsa Global since 2008 Chemical Consultant to Pulver A. Ş. Since 2014.

affiliated research center

Kordsa Global Research Center Pulver AŞ Research Center

affiliated research lab

Industrial tire chords



BÜLENT AKGÜN

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keywords

Thin Polymer Films, Surface Chemistry, X-ray and Neutron Scattering, Polymer Physics, Surface Characterization, Protein Adsorption

education

BS, Chemistry, Bogazici University, 2000
MSc, Physical Chemistry, Bogazici University, 2001
PhD, Polymer Science, The University of Akron, 2007

shortbio

After working at National Institutes of Standards and Technology Center for Neutron Research, Dr. Akgün has joined Chemistry department at the Bogazici University as an assistant professor in 2014. His research is at the crosssection of polymer physics, surface characterization and thin polymer films. His research interests are Internal and surface structure of thin polymer films, surface dynamics of confined polymers, protein-lipid interactions, controlled release from polyelectrolyte multilayers, tethered polymer systems. His research group uses X-ray and neutron scattering, AFM, ATR-IR, contact angle measurements, XPS techniques to understand the structure and dynamics of thin films to develop better materials.



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keywords Surface Chemistry, Microemulsions, Vesicles, Nanoparticles, Surfactants

education BS, University of Kent at Canterbury, 1983
PhD, University of Kent at Canterbury, 1987

shortbio N. Zeynep Atay started her academic career as Assistant Professor in the Department of Chemistry, Faculty of Arts and Sciences at Bogazici University in 1987. She became Associate Professor in 1994 and Professor in 2000. She is still working in the same department as a Professor of Physical Chemistry. Her research interests are in the field of Surface Chemistry, especially organized structures such as micro/nano emulsions, vesicles and nanoparticles, and their application in transporting various chemicals encapsulated in these structures. Prof. Atay also held various administrative positions at Bogazici University. These include: Registrar (1997-2001); Summer Term Coordinator (2001-2004); Dean of Student Affairs (2008-2012); Director of School of Foreign Languages (2013-2017) and Director of the Office of International Affairs (2017-2019). She has been the Vice Rector of Bogazici University since 2016.

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keywords Synthesis: dental materials, hydrogels, photoinitiators, bone targeting polymers

education BS, Bogazici University, 1984
MSc, Bogazici University, 1988
PhD, Bogazici University, 1993

shortbio Duygu Avcı (Semiz) is a Professor Organic Chemistry in Boğaziçi University. Her research interests cover polymer and material chemistry, in particular, synthesis and radical polymerization of new functional monomers for dental adhesives and composites, hydrogels, photopolymerization and bone targeting polymers. She has published more than 50 papers in international scientific journals.

affiliated research center Center for Life Sciences and Technologies

affiliated research lab Center for Life Sciences and Technologies



VIKTORYA AVIYENTE

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keywords

Kinetics of free radical reactions, regio and stereoselectivity in organic reactions, design of new materials for organic photovoltaic cells, control of the stability of noble-metal catalysts, evaluation of metal-ligand binding free energies.

education

BS, Bogazici University, 1973
MSc, Bogazici University, 1977
PhD, Bogazici University, 1983

shortbio

Viktorya Aviyente is a professor emeritus of Physical Chemistry in Bogazici University. She was the head of the Chemistry Department in the years 2009-2017. She has so far supervised 39 MSc and 19 PhD thesis. Dr. Aviyente holds faculty appointments in the department of Chemistry and collaborates with several industrial companies such as Roketsan and Tupraş. Dr. Aviyente is currently the principal investigator of a research group of 15 undergraduate and graduate students. Her research has been mainly supported by Bogazici University Research Funds, Tubitak, CNRS, NIH and others. Dr. Aviyente received twice the BUVAK Award for Excellence in Research (1999, 2009). Dr. Aviyente has used quantum mechanical computational tools to understand the mechanistic details in organic and organometallic reactions. She has published over 150 research and scholarly articles on topics based on elucidating the kinetics in free radical polymerization, the stereoselectivity in organic reactions, the role of solvent and catalysts in pericyclic and Diels-Alder reactions, the design of new materials for organic photovoltaic cells. Her recent endeavors focus on elucidating the conditions for stabilizing atomically-dispersed supported noble-metals by the choice of supports and ionic liquid coatings for controlling stabilities of catalysts. Her current collaborators are based in USA (MSU, UC Davis, SMU), France (University of Lorraine) and Turkey (Koç, METU, GTU, ITU, BU). The theoretical predictions and designs of new reactions and catalysts are tested experimentally with collaborators.

affiliated research center

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keywords	Inorganic Chemistry, Coordination complexes, Fluorescent molecules, redox active ligands
education	BS, Bogazici University, 1981 MSc, Villanova University, 1985 PhD, RWTH Aachen, 1991
shortbio	After BS in Boğaziçi University I completed my MS degree in Chemistry in 1985 working on the Platinum Porphyrins. The PhD work in RWTH Aachen was on the hydroboration and hydrometallation of iminoboranes. I started working as an assistant professor in Bogazici University chemistry department teaching several general chemistry courses as well as my own inorganic chemistry and organometallic chemistry and chemical bonding and chemistry of main group elements. Between 2002 and 2010 I worked at University of Stuttgart as a guest professor where I taught environmental engineers general chemistry and chem majors UV Vis spectroscopy of coordination complexes. At the same time I published publications about redox active ligands and mainly their platinum and Gold compounds. In 2013 I started to work as an associate professor at Bogazici University chemistry department where I again started a new laboratory with the facilities to work under inert conditions. The sensitive quinoxalines could be synthesized. The research is continued forming platinum complexes of these ligands.
affiliated research center	Bogazici University Chemistry Department Inorganic research laboratory
affiliated research lab	Inorganic chemistry research laboratory

**ŞARON ÇATAK**✉ saron.catak@boun.edu.tr🌐 www.ccbg.chem.boun.edu.tr**keywords**

Molecular Modeling, Computational Chemistry, Density Functional Theory (DFT), Quantum Chemistry, Molecular Dynamics Chemical Reactivity, Reaction Mechanisms, Homogeneous Catalysis, Biological Reactions

education

BS, Chemistry, Bogazici University, 1997
MS, Computational Chemistry, Bogazici University, 1999
Joint PhD, Computational Chemistry, University of Lorraine, Boğaziçi University, 2008

shortbio

Dr. Saron Catak joined the Department of Chemistry at Bogazici University as full-time faculty in 2013 and is currently an Associate Professor working in the field of computational chemistry. She also holds a Guest Research Professor position at the Center for Molecular Modeling (CMM), Ghent University, Belgium since 2015. She obtained a joint Ph.D. in Computational Chemistry from University of Lorraine (Nancy, France) and Bogazici University in 2008. She was a postdoctoral researcher in Prof. Ken N. Houk's group at the University of California, Los Angeles, before joining the Center for Molecular Modeling (CMM) at Ghent University, where she led the 'computational organic and bio-organic chemistry' division. Prior to joining the Department of Chemistry at Bogazici University, she worked at Syngenta Crop Protection (Basel, Switzerland) as team leader in 'computer-aided drug design'. In 2014, she co-founded the 'Computational Chemistry and Biochemistry' research group (ccbg.chem.boun.edu.tr) at Bogazici University, where a multitude of chemical and biochemical research areas are explored using computational methods ranging from quantum mechanics, DFT, molecular dynamics to drug discovery. CCBG is fully equipped with first-rate computational resources, a multitude of licensed/open-source software and access to supercomputer centers. The research group currently consists of 20+ graduate students working on a diverse array of research topics in close collaboration with a large international network. Multiple bilateral research projects with Ghent University (BE), University of Lorraine (FR) as well as an industry-academia collaboration with Syngenta, Basel (CH) are currently underway. The main research topics consist of first principles modeling of catalytic processes, namely, biological reactions in proteins, heterogeneous reactions on surfaces; multiscale-modeling of nanomaterials for environmental purposes as well as design and enhancement of drug delivery systems.

affiliated research lab

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keywords

Solid Oxide Fuel Cells (SOFC), Fuel Cells, Coal Syngas, Electrochemical Impedance Spectroscopy (EIS), Chronoamperometry, Chronovoltammetry, Catalysis, Raman, IR, X-ray powder diffraction, X-Ray Photoelectron Spectroscopy (XPS), Materials

education

BS, CHEM, ODTÜ, 1999
MSc, CHEM, ODTÜ, 2002
PhD, University of Maryland, 2007

Oktay Demircan has been in Bogazici University since 2010. His research interests and expertise areas include:

- Focused on addressing the oxidation mechanism of fuels such as hydrogen, carbon monoxide (CO), n-butane, coal syngas, and logistic fuels in Solid Oxide Fuel Cells (SOFCs) with different anode materials.
- Designing SOFCs for clean and efficient energy conversions at elevated temperature (600-800oC).
- Studying high temperature materials and their applications on catalysis and energy conversion.
- Examine coal syngas impurities on SOFCs performance.
- Application of nanoparticles on anode and cathode materials of SOFCs.
- Extensive use of electrochemical techniques including: Linear Scan Voltammetry (LSV), Electrochemical Impedance Spectroscopy (EIS), Chronoamperometry, and Chronovoltammetry
- Expertise in all aspects of high temperature SOFC rig assembly, electrode fabrication, operation and data analysis

shortbio

- Expertise using Raman, IR, X-ray powder diffraction, and X-Ray Photoelectron Spectroscopy (XPS) for further characterization of SOFC anode materials and carbon deposits due to incomplete oxidation of hydrocarbon fuels.
- Employed a variety of deposition and patterning techniques including: e-beam, sputtering, thermal vapor deposition, and photolithography.
- Expertise in development of High temperature (600-800oC) Micro-Raman Spectroscopy rig for in-situ SOFC analysis at the University of Maryland.
- Experienced in SEM, TEM, Energy dispersive X-ray Spectrometry (EDS/WDS), 1H and 13C NMR.
- Comprehensive knowledge of many software packages including: Gamry, Autolab, Renishaw WIRE, OMNIC, IGOR, JADE, GADDS, EVA, CASA XPS.
- Utilized traditional and nontraditional synthetic methods for the synthesis and characterization of nickel-phosphide nanoparticles.
- Highly skilled in handling of air sensitive materials using vacuum line, schlenk and glove box techniques.



İLKNUR DOĞAN

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**keywords**

Organic Chemistry, Heterocyclic Chemistry, Chiral Separations, Asymmetric Synthesis

education

BS, Middle East Technical University, 1979
MS, Middle East Technical University, 1980
PhD, Middle East Technical University, 1984

shortbio

Ilknur Dogan is a Professor of Chemistry at Bogazici University. Dr. Dogan is a chemist whose research focuses on the synthesis of axially chiral heterocyclic compounds, chiral Separations (HPLC) and synthesis of new chiral compounds using heterocyclic frameworks. She has been publishing research and scholarly articles and research reports and on these topics since 1984. She teaches Organic Chemistry courses at Bogazici University Department of Chemistry.

affiliated research lab

Dogan Research Lab. Bogazici University, Department of Chemistry



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keywords

Enzymology, oxidative-stress, heme-containing proteins, antibody/nanobod based drugs

education

BS, Middle East Technical University, 2008
MSc, Middle East Technical University, 2010
PhD, ETH, Zürich, 2015

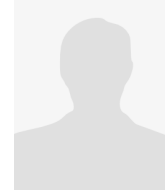
shortbio

Huriye Erdoğan Dağdaş joined the Department of Chemistry at Bogazici University as an assistant professor in 2020. She has achieved her bachelor and master degrees from Middle East Technical University Department of Chemistry. She pursued her academic studies at Swiss Federal Institute of Technology (ETH Zurich) with a Dr.Sci / PhD degree in Bioinorganic/Bio-Chemistry and served as a postdoctoral researcher at the Structural Biology Research Center, Vrije Universitat Brussels. In Turkey, she first joined ILKOGEN, a Korean–Turkish biopharmaceuticals joint venture. Thereafter, she carried on with her academic career in Gebze Technical University. Throughout her academic career, her endeavour has been supported by sovereign scientific funds from different countries, prized for her teaching and researches along with several papers. At ETH Zurich, her research focus was elucidating cytochrome P450 catalytic mechanism, funded by Swiss National Foundation (ETHIIRA). At Belgium she investigated projects on functional, structural and physicochemical characterization of proteins involved in oxidative stress and researched the electron transfer pathways controlled by sulfur oxygen signalling on cysteine and methionine in pathogenic Actinomyces. She was nominated and awarded as Europe Young Investigator by Society for Free Radical Research for her work on oxidative stress. Her research is on the edge of biology and chemistry. The main research topics consist of cytochrome P450 enzymology and its role in hepatotoxicity, redox-signalling and antibody/nanobody based biopharmaceuticals.



MEHMET FIRAT İLKER

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keywords

Polymer Synthesis, Organometallic Metathesis Chemistry, Antimicrobial Polymers. Currently working on derivatives of natural polymers and chemical pollution removal

education

PhD, University of Massachusetts Amherst

shortbio

Graduated from Bogaziçi University Chemistry Dept. in 1999. PhD from University of Massachusetts in 2005. Postdoctoral Research works in University of Wisconsin and Polymer Research Laboratories of CNRS in France. Expert in Polymer Synthesis, Organometallic Metathesis Chemistry, Antimicrobial Polymers. Currently working on derivatives of natural polymers and chemical pollution removal.

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keywords

Colloids, Polymer Science, Material Science, Biophysics, Bioanalytical chemistry

education

BS, Chemical Engineering, Bogazici University, 2001

PhD, Chemistry, University of Massachusetts Amherst, 2007

Postdoctoral fellowship, Biomedical Engineering, Northwestern University, 2007-2009

shortbio

A. Başak Kayitmazer (A. Basak Kayitmazer) is an associate professor of chemistry. In her research, Dr. Kayitmazer brings a polymer scientist's point of view into the understanding of biological phenomena while developing advanced materials that are useful as biomaterials (e.g. cell scaffolds, medical adhesives), processed foods (e.g. meat analogs, shelf-stable yoghurt) and cosmetics (e.g. conditioning shampoo). She is the recipient of an FP7 Marie Curie International Reintegration Grant and of a 2010 L'oréal Turkey Women in Science Award. Dr. Kayitmazer has published 18 peer-reviewed research and invited review articles (in SCI index) on (i) the influence of the structural properties of polyelectrolytes on their interactions with nanoparticles and colloids, (ii) self-assemblies such as micelles, coacervates and gels, and (iii) the arrangement of proteins in polymer brushes. She is well-experienced in dynamic and static light scattering, rheology, zeta potential measurements, neutron scattering, gel permeation chromatography, and fluorescence recovery after photobleaching. She is also experienced in biopolymer modification and peptide synthesis. Her current collaborators are based in China (East China University of Science and Technology), Denmark (Technical University of Denmark), Turkey (Yeditepe University), UK (Leeds University), and USA (University of Massachusetts Amherst and University of Utah). She worked as a visiting researcher at the department of chemical engineering of Massachusetts Institute of Technology (MIT) in 2018, and worked on protein synthesis and purification by recombinant DNA technology. As of May 2020, she has an h index of 14 and her papers have over 1573 citations according to the Web of Science (without self-citations). Aside from general chemistry and biochemistry courses, Dr. Kayitmazer has taught courses on biomaterials, physical chemistry of polyelectrolytes, and bioanalytical chemistry.

**AMITAV SANYAL**

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keywords Polymers, Nanomaterials, Biomaterials, Nanoparticles, Electrospinning, Diagnostics, Drug Delivery

education Integrated BS and MS, Indian Institute of Technology, Kanpur, India, 1994
PhD, Boston University, Boston, USA, 2001

shortbio Amitav Sanyal obtained his undergraduate degree from the Indian Institute of Technology at Kanpur, India. He completed his Ph.D. in 2001 from Boston University (USA) on asymmetric organic synthesis. During post-doctoral work at University of Massachusetts at Amherst (USA), he worked in the area of renewable polymeric coatings and fabrication of polymer-nanoparticle composite materials using molecular recognition. In 2004, he joined the chemistry department at Bogazici University, Istanbul, Turkey, where he is currently a full professor. His research focuses on the utilization of organic chemistry to develop novel polymeric coatings, hydrogels and nanofibers for biomolecular recognition for sensing, as well as fabrication of metal nanoparticle based imaging and drug delivery systems. Dr. Sanyal has over 70 publications in journals of high international reputation, along with 5 invited book chapter contributions. In 2008, he was one of the recipients of the Young Investigator Award from the Turkish Academy of Sciences (TÜBA). He also received the Excellence in Research and Excellence in Teaching Award from Bogazici University. In 2011, he was one of the recipients of Young Investigator Award administered by TÜBİTAK.

affiliated research center Center for Life Sciences and Technologies

affiliated research lab Organic, Polymer&Materials Chemistry

**RANA SANYAL**

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keywords	Targeted Drug Delivery, Cancer, Materials for Biomedical Applications, Preclinical Research, Drug Development
education	BS, Bogazici University, 1994 PhD, Boston University, 2001
shortbio	<p>Dr Rana Sanyal graduated from Bogazici University in 1994 with a B.S. degree in Chemical Engineering. She continued her studies at Boston University on synthetic organic chemistry and received her Ph.D. degree in Chemistry. She worked as a research scientist in Amgen Inc., Thousand Oaks, California. Since 2004, she is a faculty member at the Department of Chemistry at Bogazici University. Her research interests include targeted drug delivery agents for cancer chemotherapy and preparation of novel materials for biomedical applications. She has received L'Oréal Turkey For Women In Science (2006), Novartis Pharmaceutical and Medicinal Chemistry Drug Design (2008) and TÜBA Young Investigator (2011) awards. Since 2013, she is the director of the Center for Life Sciences and Technologies at Bogazici University. Rana Sanyal is also the co-founder and chief technology officer of RS Research Inc., a pharmaceutical biotechnology start-up developing novel nanomedicines, established to enable preclinical research advance to the clinic.</p>
affiliated research center	Center for Life Sciences and Technologies
affiliated research lab	Medicinal Chemistry "Smart Drugs" Lab

2. History

Department of History offers B.A., M.A., and Ph.D. degrees. The Department focuses on the ancient to modern history of the Middle East and the Mediterranean world, and on the early modern and modern history of Asia and Europe. Byzantine, Seljuk, Ottoman and Asian history are major topics of teaching and active research. Both in its undergraduate and graduate programs, the Department emphasizes world-historical and comparative perspectives, and provides specialized language courses. Teaching and research interests of the department's faculty members cover a wide range of areas, periods and themes, and represent diverse approaches to the study of the past.



History

LALE BABAĞLU BALKIŞ

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keywords The Turkish Image, Turquerie, Traugott Fuchs, art theory, the construction of images

education BA, Boğaziçi University, 1984
MA, Boğaziçi University, 1988
PhD, İstanbul University, 1995

shortbio Lale Babaoğlu Balkış is an assistant professor at the Department of History of Boğaziçi University. She has been teaching courses on visual culture, aesthetics, modern art, and the art and architecture of the Middle Ages. Her main areas of interest are the image in Christian art, the Turkish image in European visual culture, Turquerie in 18th century Austrian music and representation. She is a member of the Boğaziçi University Traugott Fuchs Archive since its establishment. She has published various articles on the Turkish image in European art, the visual documentation of İstanbul by Traugott Fuchs, and the art of Genco Gülen. Currently she is working on a biography of Canan Dağdelen, an internationally known contemporary Turkish artist living and working in Austria.

PETER CAMPBELL

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keywords France, French History, Early Modern, Louis XIV, Louis XV, Louis XVI, Ancien Regime, Jansenism, Parlements, Court, State, Revolution, Crisis, Conspiracy, European History 1500-1800, patrie, patriotism

education BA, Queen Mary, London University, 1981
PhD, University of London, 1985

shortbio Professor Campbell is an historian of early modern France who has published widely on the old regime, Louis XIV, the nature of politics and the state, religious conflict (Jansenism), conspiracy in the French Revolution, patriotism, the origins and nature of the French Revolution. He has taught in Sussex University, the Université de Versailles, Albert-Ludwigs Universität Freiburg, and in China and Bologna. He is currently a Thousand Talents program scholar for China, and completing a book entitled "State Failure and the Origins Of The French Revolution" for OUP and will also soon write a study of 1789.

affiliated research center DYPAC, Université de Versailles-Saint-Quentin-en-Yvelines



KORAY DURAK

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keywords

Byzantine social and economic history; Early Islamic social and economic history; commercial history of the medieval Mediterranean; Byzantine-Arab relations; Representation of the Other in Byzantine and Arabic literature; Geographical imagination in the early Middle Ages; Byzantine Constantinople; Byzantine and Islamic pharmacology

education

BA, Political Science and International Relations, Bosphorus University, 1992-1998

MA, History, Bosphorus University, 1998-2001

MA, History and Center for Middle Eastern Studies, Harvard University, 2001-2003

PhD, History and Center for Middle Eastern Studies, Harvard University, 2003-2008

shortbio

Koray Durak received his Ph.D. from Harvard University in History and Middle Eastern Studies in 2008. He is an assistant professor at the Department of History at Boğaziçi University, Istanbul, Turkey. He has been teaching courses on the history of the medieval Mediterranean region, the Byzantine history, and the history of Byzantine Constantinople. His main areas of research interest include Byzantine and medieval Islamic trade and networks of exchange, historical geography, geographical imagination in the Middle Ages, and medieval imperial ideology. He won the Young Scientists Award of the Turkish Academy of Sciences (TÜBA-GEBİP) in 2011. Among his recent publications is an article on the contemporary use of archaizing terms in Byzantine literature in *Jahrbuch der Österreichischen Byzantinistik* (May 2009), and another one on the Definition of Bilād al-Rūm (Land of the Romans) in *Medieval Islamic Geographies in the Journal of Intercultural Studies* (June 2010). He is currently working on a monograph on exchanges and communications between Byzantines and Islamic Near Easterners in the early Middle Ages.



History

EDHEM ELDEM

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<http://hist.boun.edu.tr/content/edhem-eldem> <https://boun.academia.edu/edhemeldem>**keywords**

Ottoman history, history of Istanbul, Levant trade, funerary epigraphy, urban history, social history, economic history, banking history, history of archaeology, history of collections, biography and prosopography, cultural history, history of photography, paleography

education

BA, Bogazici University, 1982
DEA, Université de Provence, Aix-Marseille I, 1984
PhD, Université de Provence, Aix-Marseille I, 1989

shortbio

Edhem ELDEM has been teaching at the Department of History since 1989. He obtained his PhD in 1989 from the Université de Provence Aix-Marseille, with a dissertation on French trade in Istanbul in the eighteenth century. He has taught as visiting professor at the University of California at Berkeley (1999), Harvard University (2009), at the École des Hautes Études en Sciences Sociales, Paris (2001-2003, 2006, 2011, 2014), at the École Pratique des Hautes Études, Paris (2005), at the École Normale Supérieure, Paris (2008), and at Columbia University (2016). He has been a fellow at the Wissenschaftskolleg zu Berlin (2011-12), at Bonn University (2013) and at the Ludwig-Maximilians University, Munich (2015). Among his fields of interest are the Levant trade in the eighteenth century, Ottoman funerary epigraphy, the development of an urban bourgeoisie in Istanbul, the history of the Ottoman Bank, the history of archaeology in the Ottoman Empire, late-nineteenth-century Ottoman first-person narratives and biographies, and the history of photography in the Ottoman Empire. His publications include: French Trade in Istanbul in the Eighteenth Century (1999); A History of the Ottoman Bank (1999); The Ottoman City between East and West: Aleppo, Izmir and Istanbul (1999, with D. Goffman and B. Masters); La Méditerranée turque (2000, with F. Çiçekoğlu); Pride and Privilege. A History of Ottoman Orders, Medals and Decorations (2004); Death in Istanbul. Death and its Rituals in Ottoman-Islamic Culture (2005); Consuming the Orient (2007); L'építaphe ottomane musulmane XVIe-XXe siècles (2007, with N. Vatin); Un Ottoman en Orient. Osman Hamdi Bey en Irak (1869-1871) (2010); Le voyage à Nemrud Dağı d'Osman Hamdi Bey et Osgan Efendi (2010); Osman Hamdi Bey Sözlüğü (2010); Scramble for the Past: A Story of Archaeology in the Ottoman Empire, 1753-1914 (2011, with Z. Bahrani and Z. Çelik); Camera Ottomana. Photography and Modernity in the Ottoman Empire, 1870-1914 (2015, with Z. Çelik).

affiliated research center

Institut français d'études anatoliennes (IFEA); Centre d'études turques, ottomanes, balkaniques et centrasiatiques (CETOBAC); Wissenschaftsko lleg zu Berlin; New Europe College, Bucharest; Halet Çambel ve Nail Çakırhan Arkeoloji, Geleneksel Mimarlık Ve Tarih Uygulama ve Araştırma Merkezi



AHMET ERSOY

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keywords

Ottoman History, Visual Culture, Historiography, Photography, Media Studies

education

BA, Middle East Technical University, 1988
MA, Middle East Technical University, 1991
PhD, Harvard University, 2000

shortbio

Ahmet Ersoy is Associate Professor at the History Department at Boğaziçi University, Istanbul. His research involves the cultural history of the Late Ottoman Empire with a special focus on visibility and its links with rising discourses of locality and authenticity during a period of westernizing change. He is the author of *Architecture and the Late Ottoman Historical Imaginary: Reconfiguring the Architectural Past in a Modernizing Empire* (2015), and the co-editor, with Vangelis Kechriotis and Maciej Gorny, of *Discourses of Collective Identity in Central and Southeastern Europe (1775-1945)*, vol. III (2010). His publications include "Ottomans and the Kodak Galaxy: Archiving Everyday Life and Historical Space in Ottoman Illustrated Journals," in *History of Photography* (2016); and "Ottoman Gothic: Evocations of the Medieval Past in Late Ottoman Architecture," in Patrick J. Geary and Gábor Klaniczay (eds) *Manufacturing Middle Ages: Entangled History of Medievalism in Nineteenth-Century Europe* (2013).



PAOLO GIRARDELLI

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keywords

Art history; Architectural history; Cultural landscapes; Identity and space

education

BA, Sapienza, University of Rome, 1988
PhD, University of Naples, 1996

shortbio

Paolo Girardelli (Boğaziçi University, Dept. of History) is an art, architectural and urban historian, with special experience on the interaction and encounter between Europe and the Ottoman empire. In particular, he works on the spatial and visual history of the European, Levantine and non-Muslim communities in the cosmopolitan cities of the Eastern Mediterranean during the long 19th century. He completed his PhD at the University of Naples in 1996, with a dissertation on Italian architects in late Ottoman Istanbul. He was Aga Khan Fellow at MIT in 2005-06, invited scholar at the Institut national de l'histoire de l'art (INHA, Paris, 2013), and Senior Fellow at Koç University, Research Center for Anatolian Civilizations (ANAMED, 2015-16). He is currently working on a book on the "Landscapes of the Eastern Question", part of a long term project on the role of diplomacy and European presence in shaping and transforming the image of Beyoğlu. At the undergraduate level, Girardelli offers survey courses on art history from the Renaissance to the modern and post-modern trends. His publications and graduate seminars focus on the making of plural environments in the late Ottoman world, problematizing the relation and interactions of space, visibility, ethno-religious and national identity. He contributed since 2000 to the development of a Graduate Program of studies in Art, Architectural History and Visual Culture at the History Department of Boğaziçi University. In this context, he also participated to the J.P. Getty Trust «Connecting Art Histories Initiative». He is guest-editor of a special issue of *Architecture beyond Europe (ABE Journal)* on "The Space of Diplomacy. Design and Beyond" (2017)

affiliated research center

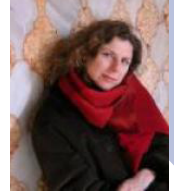
International Research Center for Japanese Studies, Kyoto (2017) Kunsthistorisches Institut, Florence (2016) Koç University, Research Center for Anatolian Civilizations, Istanbul (2015-16) INHA, Institut national de l'histoire de l'art, Paris (2013)



ÇİĞDEM KAFESCİOĞLU

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**keywords**

Early modern Ottoman history, urban history, spatial history, history of architecture, visual culture, urban water use and waterscapes; vernacular architecture and residential patterns; Mediterranean cartography

education

BA, Boğaziçi University, 1985
MA, Boğaziçi University, 1988
PhD, Harvard University, 1996

shortbio

Çiğdem Kafescioğlu is professor and at the Department of History at Boğaziçi University, and works on the urban, architectural, and visual culture of the early modern Ottoman world. Her current research includes representations of city and urbanity in arts and letters in connection to urban and spatial practices; urban cartography; urban waterscapes and water use practices; residential patterns in early modern Istanbul; and transitions in architecture during the 15th and 16th centuries. She has contributed chapters and articles to a number of books and journals, and is the author of *Constantinople/Istanbul: Cultural Encounter, Imperial Vision, and the Construction of the Ottoman Capital* (Pennsylvania State University Press, 2010), which won the Spiro Kostof Award of the Society of Architectural Historians. She has held scholarships from the Giles Whiting Foundation, the Aga Khan Program for Islamic Art and Architecture, the Getty Foundation, and the Radcliffe Institute for Advanced Study at Harvard University.



NEVRA NECİPOĞLU

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keywords

Late Byzantine social and economic history, Byzantine-Turkish relations, Byzantine-Latin relations, history of medieval Anatolia, urban history and social topography of Constantinople (13th-15th centuries).

education

BA, Wellesley College, 1982
MA, Harvard University, 1984
PhD, Harvard University, 1990

shortbio

Nevra Necipoğlu is Professor of History at Boğaziçi University. A founding member and general secretary of the Turkish National Committee for Byzantine Studies since 2001, she chaired Boğaziçi University's Department of History during 2011-2014. Since 2015, she serves as the founding director of the University's Byzantine Studies Research Center. Prof. Necipoğlu's monograph, *Byzantium between the Ottomans and the Latins: Politics and Society in the Late Empire*, was published by Cambridge University Press in 2009. The books she has edited include: *Byzantine Constantinople: Monuments, Topography and Everyday Life* (Brill, 2001); *First International Sevgi Gönül Byzantine Studies Symposium. Proceedings* (Vehbi Koç Foundation, 2010) with A. Ödekan and E. Akyürek; *The Byzantine Court: Source of Power and Culture* (Koç University Press, 2013) with A. Ödekan and E. Akyürek; *Trade in Byzantium* (ANAMED, 2016) with P. Magdalino; and *In Memoriam Angeliki E. Laiou* [=Journal of Turkish Studies 36 (2011)] with C. Kafadar. She is also the author of numerous journal articles and book chapters on late Byzantine social and economic history, Byzantine-Seljuk and Byzantine-Ottoman relations, and the urban history and social topography of late Byzantine Constantinople. Prof. Necipoğlu is the recipient of awards and fellowships from several institutions including Phi Beta Kappa, Wellesley College, Harvard University, Dumbarton Oaks, Villa I Tatti, Oxford University, and Boğaziçi University Foundation. She has been a Visiting Scholar at EHESS-Paris, Université Paris 1, and Harvard University, and has been invited to present lectures at many academic institutions, including Princeton University, Dumbarton Oaks, Mount Holyoke College, Oxford University, King's College London, Edinburgh University, Université Bordeaux 1, Collège de France, University of Cologne, Panteion University, Gennadius Library, Thessaloniki History Center, University of Crete, Ankara University, and Bilkent University.

affiliated research center

Boğaziçi University Byzantine Studies Research Center



ARZU ÖZTÜRKMEN

ozturkme@boun.edu.tr ✉

**keywords**

Oral history, folklore, performance, historical ethnography, television studies

education

BS, Boğaziçi University, 1988
MA, Indiana University, 1991
PHD, University Of Pennsylvania, 1993

shortbio

Trained in folklore studies Arzu Öztürkmen is professor of folklore, oral history and performance studies at Boğaziçi University in Istanbul, Turkey. She published several articles on the cultural history of Turkey, is the author of *Türkiye'de Folklor ve Milliyetçilik* (1998) and *Rakıdan Oyuna: Türkiye'de Dansın Modern Halleri* (2016), and the co-editor of *Medieval and Early Modern Performance in the Eastern Mediterranean* (2014), *Celebration, Entertainment and Theater in the Ottoman World* (2014). Her research interests include oral history, folklore, history of performing arts, historical ethnography and television studies. She is currently the Turkish Director of Confucius Institute (since 2013) and the Chair of Asian Studies Center (since 2015). She acted as the Vice Dean of the Faculty of Arts and Sciences between 2014-2016. Among her awards are the Fellowship of Fondation Maison des Sciences de l'Homme (2006), Unv. of Oxford Programme on Contemporary Turkey Award (2005), MERC (Middle East Research Competition) Award (2003), TUBA GEBIP Award (2003), American Research Institute Award (2003, 1996), MEAwards (2000), Alexander Onassis Research Grant (1998). Öztürkmen taught at the Unv. of Pennsylvania (1993, 1995) and NYU (2010, 2012) and served as a board member of International Oral History Association (1996-2000), Société Internationale d'Ethnologie et de Folklore (2013-2017), as the National Committee Chair of International Council of Traditional Music (1994-2017). She is a member of American Folklore Society (since 1988), and a supporting member of the Metropolitan Museum of Art (since 2008) and Benaki Museum (since 2015). She served in the editorial board of International Journal of Middle Eastern History (2010-2013) and Journal of Women History (2006-2015), and as a Jury Member of Notre Dame de Sion Prix Littéraire Awards since 2012. She is the organizer of the Pertev Naili Boratav Biannual Lecture Series on Folklore and Oral History since 2008.

**ASLI ÖZYAR**✉ ozyar@boun.edu.tr🌐 www.tarsus.boun.edu.tr**keywords**

Eastern Mediterranean Archaeology, Ancient Anatolia, Anatolian Iron Age, Hittite Art, Ancient Near Eastern Visual and Material Culture, Cilician Studies

education

BA, Bogazici University, 1986
MA, Bryn Mawr College, 1988
PhD, Bryn Mawr College, 1991

shortbio

Aslı Özyar is a professor of ancient history and archaeology at Boğaziçi University. Her scholarship and research focuses on the visual world and material culture of ancient Anatolia between ca. 2000-500 BCE and on aspects of change and continuity following the disintegration of the Hittite Empire in the Northeastern Mediterranean. Dr. Özyar holds a faculty appointment in the Department of History and serves as the Director of the Halet Çambel-Nail Çakırhan Research Center for Archaeology, Vernacular Architecture and History at Boğaziçi University. Dr. Özyar also serves as the Director of the Tarsus-Gözlükule Excavations (Mersin, Turkey) since 2007.

Dr. Özyar has published scholarly articles, book chapters and monographs on topics such as Hittite Art, Anatolian and North Syrian Iron Age architectural relief, Anatolian iconography, and Central Anatolian Early Bronze Age Elite Burials. She annually publishes together with contributing team members excavation and research results of the Tarsus-Gözlükule excavations. She has co-authored with Halet Çambel Karatepe-Aslantaş: Azatiwataya. Die Bildwerke (Philipp von Zabern, Mainz am Rhein, 2005), and is the editor of Field Seasons 2001-2003 of the Tarsus-Gözlükule Interdisciplinary Research Project (Ege Yayınları, İstanbul, 2005). Her most recent article "Phoenicians and Greeks in Cilicia? Coining Elite Identity in Iron Age Anatolia." appeared in Aruz, J. – M. Seymour (eds.) Assyria to Iberia: Art and Culture in the Iron Age (Metropolitan Museum of Art, New York, 2016).

affiliated research center

Halet Cambel-Nail Cakirhan Research Center for Archaeology, Vernacular Architecture and History

affiliated research lab

Tarsus-Gozlukule Excavations



History

OYA PANCAROĞLU

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<https://bogaziçiuniversity.academia.edu/OyaPancaroglu> 🌐

**keywords**

Medieval Islamic art, Architecture in Medieval Anatolia, Medieval Islamic ceramics, Sacred topography, Medieval Iranian cultural history

education

BA, Georgetown University, 1992
PhD, Harvard University, 2000

shortbio

Oya Pancaroğlu is Professor in the Department of History at Boğaziçi History where she teaches courses on medieval Islamic art and on the history and culture of medieval Turco-Persian societies. Between 2000 and 2006 she held a research fellowship and departmental lectureship at the Oriental Institute, Oxford University. Her research interests encompass the period between the rise of Islam and late medieval period and include a number of topics such as the use of figural representation in early and medieval Islamic art, the intersection between literary and material culture in medieval Iran, Islamic architecture in medieval Anatolia, and sacred topography in medieval Anatolia. Since 2008, she has participated in the Interdisciplinary Research Project at Tarsus-Gözlükule, as a specialist of early Islamic material culture. Oya Pancaroğlu has published numerous articles in the field of medieval Islamic art and architecture and has covered subjects such as medieval Iranian fine ceramics, twelfth- and thirteenth-century architecture in Divriği (Turkey), and the sacred topography of Tarsus (Turkey). She is the author of Perpetual Glory: Medieval Islamic Ceramics from the Harvey B. Plotnick Collection (Art Institute of Chicago, 2007) for which has received a World Prize for the Book of the Year (2010) from the Islamic Republic of Iran.

YÜCEL TERZİBAŞOĞLU

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<http://hist.boun.edu.tr/tr/content/yucel-terzibasoglu> 🌐

**keywords**

Economic history, agrarian history, urban history, political economy

education

BSc, Management, Middle East Technical University, Ankara, 1989
MSc, Economics, Middle East Technical University, Ankara, 1995
PhD, Birkbeck College, University of London, 2003

shortbio

Yücel Terzibaşoğlu teaches Economic History and Political Economy at the Department of History, Boğaziçi University, Istanbul. He studied at the Middle East Technical University (METU) in Ankara and at Birkbeck College, University of London. His research focuses on the political economy of agrarian regimes and transformations; landed and urban property, law and legal institutions in Eastern Europe and the Middle East in the nineteenth and twentieth centuries.



DERİN TERZIOĞLU

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keywords

Ottoman history, early modernity, confessionalization, social and political history of religion, self and self-narratives, history of reading and books, history of childhood

education

BS, Princeton University, 1991
PhD, Harvard University, 1999

shortbio

Derin Terzioğlu is an Associate Professor of History at Boğaziçi University. She specializes in early modern Ottoman history with research interests spanning cultural and intellectual history, the social and political history of religion, history of political thought, history of reading, constructions of self and self-narratives, and history of childhood. Her recent research has focused on the process of confession building in the Ottoman Empire during the sixteenth and seventeenth centuries. Her recent publications include "How to Conceptualize Ottoman Sunnization: a Historiographical Discussion," *Turcica* 44 (2012-3): 301-338, "Where İlm-i Hal Meets Catechism: Islamic Manuals of Religious Instruction in the Ottoman Empire in the Age of Confessionalization," *Past and Present* 220 (2013): 79-114, and "Power, Patronage and Confessionalism: Ottoman Politics as Seen through the Eyes of a Crimean Sufi, 1580-1593," in Marinos Sariyannis (ed.), *Halcyon Days in Crete IX, Political Thought and Practice in the Ottoman Empire*, Rethymno, Crete University Press, 2018, Forthcoming. Dr. Terzioğlu has also held teaching appointments at Koç University, Duke University and University of California, Berkeley. She has held research fellowships at the Scaliger Institute in Leiden, the Skilliter Center at the University of Cambridge, the Research Center for Anatolian Civilizations in Istanbul, and at the Institut für Islamwissenschaft at Freie Universität in Berlin. Since 2015, she has been a senior research fellow and coordinator of the Boğaziçi team in the research project "Fashioning of a Sunni Orthodoxy and the Entangled Histories of Confession Building in the Ottoman Empire, 1450- 1700," which is funded by the EU HORIZON 2020, ERC Consolidator Grant (P.I.: Dr. Tijana Krstic, Central European University). She has been on the Editorial Board of *Archivum Ottomanicum* since February 2017.



History

ELİF ÜNLÜ

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<http://hist.boun.edu.tr/content/elif-unlu> 🌐

**keywords**

Archaeology, ceramics, Late Bronze Age, Tarsus, Cilicia, pottery production technology, food and ceramics

education

BA, Economics, German double major, Agnes Scott College, Atlanta-USA, 1995
 MA, Economics, University of Pittsburgh, Pittsburgh-USA, 1996
 MA, Department of History, Boğaziçi University, 2003
 PhD, Archaeology, University of Pennsylvania, Philadelphia-USA, 2009

shortbio

Elif Ünlü is an Assistant Professor at the Department of History, Boğaziçi University. She is an archaeologist with a focus on pottery from Bronze Age Mediterranean and Anatolian centers. Dr. Ünlü's area interests span beyond into the Aegean and Iranian regions. She received her Ph.D. from University of Pennsylvania, Art and Archaeology of the Mediterranean World Graduate program with the thesis titled "Technological and Stylistic Evaluation of the Early Bronze Age Pottery at Tarsus-Gözlükule: Pottery Production and Its Interaction with Economic, Social, and Cultural Spheres" in 2009. Same year joined Boğaziçi University, Department of History faculty. Her research interests lie in Bronze Age pottery of Anatolia; stylistic and technological aspects and comparisons, as well as discussions about eating/drinking habits based on form analysis and changes in agro-economic patterns as can be elucidated from the local and imported pottery assemblages. She is also the assistant director to the Tarsus-Gözlükule excavations. Related articles are published in Bulletin of the American Schools of Oriental Research titled "A Tale of Two Potting Traditions: Technological Assessment of the Light Clay and the Red Gritty Ware Types at Tarsus-Gözlükule (Cilicia-Turkey) at the Beginning of the Third Millennium B.C." (2011), in Oxford Journal of Archaeology titled "The Handle Wagging the Cup. Formal Aspects of Alcohol Consumption in the Transfer of Ideology: Anatolia and the Aegean towards the End of the Third Millennium BC" (2016), also a book section in NOSTOI: Indigenous Culture, Migration, and Integration in the Aegean Islands and Western Anatolia during the Late Bronze and Early Iron Age, titled "Late Bronze – Early Iron Age Painted Pottery from the Northeast Mediterranean Settlements" (2015).

affiliated research center

Board member of the Halet Çambel–Nail Çakırhan Archaeology, Vernacular Architecture and History Research Center

3. Linguistics

The faculty of the Department of Linguistics works on theoretical and experimental aspects of linguistics. Both curricula and research in the department cover topics in syntax, semantics, phonology, morphology, discourse structure, language acquisition, psycholinguistics, and sociolinguistics.

In addition to the analysis of all aspects of Turkish, the faculty focuses on the linguistic analysis of other individual languages and conducts comparative research within language families. These include the Iranian languages Kurmanji and Zazaki, the Turkic languages Uyghur, Noghay, Kazakh, Yakut, and Turkmen, the Caucasian languages Laz and Georgian, as well as Sasson Arabic, American Sign Language, and Turkish Sign Language (TİD).

In the last decade the department has become one of the leading research centers on Turkish Sign Language. It has a fully equipped sign language lab where linguistic tasks involve deaf informants. The sign language research group has run both nationally funded and European Union funded projects.

Currently, members of the department are involved in the following funded projects:

- The Sign Hub: Preserving, Researching and Fostering the Linguistic, Historical and Cultural Heritage of European Deaf Signing Communities with an Integral Resource (2016-2020) European Commission, Horizon 2020; #69334 PI: Josep Quer (Universitat Pompeu Fabra, Spain); (PI-Turkey: Meltem Kelepir) <https://signhub.boun.edu.tr/en>
- Acquisition of Argument Structure and Complementation, Boğaziçi University Research Fund #7949 (PI: Mine Nakipoğlu)
- Language Contact in Turkey: Documentation and Analysis (Türkiye'de Dil Etkileşimi: Belgeleme ve Çözümleme), Boğaziçi University Research Fund #11500 (PI: Aslı Göksel)

The department offers BA, MA and PhD degrees. Graduate students are actively involved in linguistic research and often deliver talks at international conferences. Almost all MA graduates who seek a PhD degree abroad are accepted to PhD programs in prestigious institutions among which are Massachusetts Institute of Technology, Harvard University, UMass Amherst, Yale University, Cornell University, McGill University, University of Southern California, Rutgers University, New York University, University of Chicago, and University of Groningen.



KADİR GÖKGÖZ

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keywords Sign Language, Syntax, Prosody, Language Acquisition

education BA, Bogazici University
MA, Bogazici University
PhD, Purdue University

shortbio Kadir Gökgöz is an Assist. Prof. in the Department of Linguistics. He is interested in the structure and acquisition of sign languages.

ASLI GÖKSEL

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http://www.linguistics.boun.edu.tr/index.php?option=com_content&view=article&id=51&Itemid=54 🌐



keywords Turkish, Turkish Sign Language (TİD), Morphology, Prosody, Syntax, Language Contact

education BA, English Literature, Bogazici University, 1975
MA, Linguistics, Bogazici University, 1977
MA, Turkish language and Literature, Bogazici University, 1983
PhD, Linguistics, University of London, 1993

shortbio Aslı Göksel is Professor of Linguistics at Bogazici University. She works on the interface of morphology, syntax, and prosody, and mainly on Turkish and Turkish Sign Language (TİD). She has taught at the School of Oriental and African Studies, University of London and at Bogaziçi University. She has worked on morphological complexity, question intonation, language contact, the interaction of simultaneous and sequential information, compounds, intonation, focus, and word order. At present she is a collaborator and researcher in the COST (SignGram) project IS-1006 'Unraveling the Grammars of European Sign Languages: Pathways to Full Citizenship of Deaf Signers and to the Protection of their Linguistic Heritage', TÜBİTAK 113K (TİDBİL) project 'A Model for Sign Language Reference Grammars: Methods for the Description and Analysis of Sign Systems in the Light of Turkish Sign Language', a project entitled 'Language Contact in Turkey, Documentation and Analysis' (BAP 11500), and a THALIS project 'Pontus, Cappadocia, Aivali: In Search of Asia Minor Greek'. Aslı Göksel is the co-author of two books on Turkish (Routledge) and numerous scholarly articles on linguistic structure.

affiliated research center School of Oriental and African Studies, University of London



ÖMER FARUK DEMİROK

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keywords Language, Linguistics, Formal Semantics, Syntax, Morphology, Caucasian languages

education BA, Boğaziçi University, 2010
MA, Boğaziçi University, 2013
PhD, Massachusetts Institute of Technology, 2019

shortbio Ömer Demirok is an Assistant Professor of Linguistics at Boğaziçi University. His main research areas include formal semantics, syntax, morphology, and their interfaces, focusing on core properties of natural languages such as scope-taking and intensionality, as well as cross-linguistic variation in the expression of modality, clause-typing, relativization, and function-form mapping. To empirically enrich linguistic research as well as contribute to the documentation efforts, he has been doing fieldwork on Laz, an endangered South Caucasian language spoken in Turkey.



PAVEL LOGACEV

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🌐 <http://linguistics.boun.edu.tr/pavel-logacev>

keywords Psycholinguistics, sentence comprehension, formal models of human sentence comprehension, the interaction between memory and syntax in sentence processing

education MSc, University of Potsdam, 2008
PhD, University of Potsdam, 2014

shortbio Pavel Logacev is an Assistant Professor at the Department of Linguistics, Bogazici University, whose research focuses on syntactic parsing, the role of working memory in sentence comprehension, eye movements during reading, and computational models thereof.



Linguistics

MİNE NAKİPOĞLU

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keywords	Language Acquisition, Language and Cognition, Morphological Processing, Prosody, Syntax- Semantics, Interface, Language Evolution
education	BA, Hacettepe University, 1989 MA, University of Minnesota, 1994 PhD, University of Minnesota, 1998
shortbio	Mine Nakipoğlu is a full-time faculty member in the Department of Linguistics at Boğaziçi University. She also serves as an affiliated faculty member at Boğaziçi University's Cognitive Science Program. Dr. Nakipoğlu's research investigates children's first language acquisition using production and judgment methodologies. She is interested in the acquisition of various domains of Turkish, in particular morphology, syntax and semantics. Her research on the acquisition of morphology has primarily focused on children's overgeneralization errors and revealed the first ever reported overgeneralization errors in Turkish, which are important signs of rule formation/ application in acquisition. Dr. Nakipoğlu's current research focuses on acquisition of syntax, in particular argument structure, complementation and negation. She is also interested in uncovering the role prosody plays in children's semantic inferences.

BALKIZ ÖZTÜRK BAŞARAN

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keywords	Syntax, Morpho-syntax, Caucasian Languages, Structure of Laz, Structure of Turkish and Turkic Languages, Voice, Case, Incorporation
education	BA, Translation and Interpreting Studies, Boğaziçi University, 1996 MA, Linguistics, Boğaziçi University, 1999 PhD, Linguistics, Harvard University, 2004
shortbio	Balkiz Öztürk Başaran's main research interests lie in the interfaces of syntax, morphology and lexicon, specifically focusing on Altaic (Turkish, Uyghur, Mongolian) and South Caucasian languages (Laz and Georgian). She has published various articles on argument structure, Case, relative clauses, pseudo-incorporation, NP-structure, null-arguments in journals, edited volumes and conference proceedings. She is the author of Case, Referentiality and Phrase Structure (John Benjamins 2005), and has co-edited the volumes Exploring the Turkish Linguistic Landscape (John Benjamins 2016) and Pazar Laz (Lincom 2011). She is one of the co-editors of Dilbilim Araştırmaları Dergisi (Journal of Linguistics Research).
affiliated research center	B.Ü. Dil Uygulama ve Araştırma Merkezi (B.U. Language Center)

4. Mathematics

Mathematics is a rapidly developing and expanding field which, in addition to its traditional areas of application in the physical sciences, is continually being expanded into new areas of knowledge such as the biological and social sciences. In particular, the vast advances made in computer technology in the past few years have given rise to new mathematical disciplines.

The Department of Mathematics comprises around 20 faculty members with PhD degrees from leading universities in the US, Europe, Canada and Turkey and more than 30 graduate students. The graduate students together with our distinguished and experienced faculty, work in a wide variety of research areas both in pure and applied mathematics. Throughout the year, besides regular colloquium lectures, there are also student seminars and research seminars in various fields. Additionally, there are several workshops and schools at Istanbul Center for Mathematical Sciences (IMBM) which is located in our campus. Our department has strong national and international ties with major institutions around the world. Each year several of our graduates go to prestigious universities abroad to pursue their studies.

The research areas of our faculty members are listed below:

- Algebraic Number Theory
- Algebraic Geometry
- Algebraic Topology
- Analytic Number Theory
- Banach Algebras
- C* Algebras
- Combinatorics
- Commutative Algebra
- Contact and Symplectic Geometry
- Differential Geometry
- Dynamical Systems
- Field Theory
- Functional Analysis
- Global Analysis
- Group Theory and Generalizations
- Integral Equations
- Mathematical Logic
- Mathematical Physics
- Model Theory
- Non-Linear Partial Differential Equations
- Numerical Analysis
- Operator Theory
- Probability Theory and Stochastic Processes
- Relativity and Gravitational Theory
- Representation Theory
- Topological Algebra



Mathematics

ALP BASSA

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keywords Curves over Finite Fields, Modular Curves, Arithmetic of Function Fields

education BSc, Middle East Technical University, 2004
PhD, Universitaet Duisburg-Essen, 2007

shortbio Alp Bassa obtained his undergraduate degrees in computer engineering and mathematics from the Middle East Technical University (Ankara, Turkey) in 2004 and his Ph.D. degree in mathematics in 2007 from the University of Duisburg–Essen (Germany). After postdoctoral positions at Sabanci University-Istanbul, EPFL-Lausanne, CWI-Amsterdam, NTU-Singapore, he worked as assistant professor at Sabanci University (Istanbul, Turkey) between 2011-2014. He joined the Department of Mathematics at Boğaziçi University in 2014.

ÖZLEM BEYARSLAN

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keywords Model Theory, Field Theory, Graph Theory, Algebraic Function Fields

education BS, Bogazici University, 1997
MSc, Bogazici University, 1999
PhD, University of Illinois at Chicago, 2006

shortbio Özlem Beyarslan is working on the intersection of mathematical logic and algebra, known as model theory. Her work is focusing on model theory of fields, which has important applications to algebraic geometry and number theory. She has two children.



TALİN BUDAK

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🌐 http://www.math.boun.edu.tr/index.php?option=com_content&task=section&id=19&Itemid=278

keywords	Topological algebra, semigroup compactifications
education	BS, Mathematics, Bogazici University, 1984 MSc, Industrial Engineering, Bogazici University, 1986 PhD, Mathematics, Sgeffield University, 1990
shortbio	Talin Budak is a professor at Mathematics Department in Boğaziçi University.



OLCAY COŞKUN

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keywords	Representations of finite groups, block theory, (fibered) biset functors and related functors, homological algebra
education	BS, Bilkent University, 2002 MS, Bilkent University, 2004 PhD, Bilkent University, 2008
shortbio	Olcay Coşkun is working on problems related to axiomatic and functorial representation theory of finite groups.
affiliated research center	Feza Gürsey Center for Physics and Mathematics, Boğaziçi University



NİHAT SADIK DEĞER

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keywords	String/M Theory, Supergravity Theories
education	BS, ODTU, 1994 PhD, Texas A&M University, 2001
shortbio	Nihat Sadik Deger is a professor of mathematics at Bogazici University.
affiliated research center	Feza Gürsey Center for Physics and Mathematics, Boğaziçi University

FATİH ECEVİT

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keywords	Partial Differential Equations, Integral Equations, Numerical Analysis, Asymptotic Expansions, High-Frequency Scattering Problems
education	BS, Bogazici University, 1995 MS, Bogazici University, 1998 PhD, University of Minnesota, 2005
shortbio	Fatih Ecevit is an Assistant Professor of Mathematics at Bogazici University. Dr. Ecevit's main research interests include partial differential equations, numerical and asymptotic analyses. He also serves as an affiliated faculty member in Bogazici's Computational Science and Engineering program.



NİLGÜN IŞIK

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keywords

Arens Regularity of Bilinear Mappings, Second Dual of the Group Algebra of a Compact Group, Subsemigroups of Stone-Cech Compactifications

education

BS, Hacettepe University, 1975
MS, Sheffield University, 1977
PhD, Sheffield University, 1980

shortbio

Full time Assistant Professor, Associate Professor and Professor of Mathematics at Boğaziçi University since 1982. Has served for many administrative duties such as member of many commissions, academic advisor, Head of Department, Deputy Dean and Dean of Faculty of Arts and Sciences at Boğaziçi.



SİNAN IŞIK

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keywords

Wireless Sensor Networks, Internet of Things (IoT), Machine-to-Machine (M2M) Communications, Smart Homes/Cities, Industry 4.0, Wireless Indoor Positioning

education

BS, Mathematics, Bogazici University, 1999
MSc, Computer Engineering, Bogazici University, 2003
PhD, Computer Engineering, Bogazici University, 2011

shortbio

Sinan Işik received his PhD in Computer Engineering from Bogazici University (BU), Istanbul, in 2011. In the same year, he became a faculty member of Mathematics Department. He is an active member of NETLAB/WiSe Research Group of Computer Engineering Department. His research interests are Internet of Things (IoT), Smart Homes/Cities and Industry 4.0. He is also working on problems related to wireless indoor positioning. He worked as a project manager and a researcher in EU-FP7-FIRESENSE project coordinated by Cem Ersoy from Computer Engineering Department. He also worked as a researcher in many TUBITAK and BU funded research projects. He is a member and a vice-director of Center for Applied Research in Finance (CARF), he is a member of Telecommunications and Informatics Technologies Research Center (TETAM), and he is a member of Entrepreneurship Applications and Research Center.

affiliated research center

Telecommunications and Informatics Technologies Research Center (TETAM), Boğaziçi University Center for Applied Research in Finance (CARF) (vice-director), Boğaziçi University Entrepreneurship Applications and Research Center, Boğaziçi University

affiliated research lab

NETLAB, Computer Networks Research Laboratory, Boğaziçi University



Mathematics

K. İLHAN İKEDA

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**keywords**

Langlands functoriality and reciprocity principles, non-abelian class field theory; The theory of Eisenstein series and Arthur trace formula; Higher-dimensional (K-theoretic) class field theory; The theory of motives; Conformal field theory and topological quantum field theory

education

BSc, Math., METU, 1989
PhD, Math., Princeton University, 1993

shortbio

K. İlhan Ikeda is a professor of mathematics at Boğaziçi University. He completed his Ph.D. in Mathematics at Princeton University under the supervision of Goro Shimura in 1993. His research interests lie in the area of algebraic number theory and representation theory, in particular is on the Langlands Program.

affiliated research center

Feza Gürsey Center for Physics and Mathematics

ÇAĞRI KARAKURT

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**keywords**

Low dimensional topology, Symplectic and contact geometry, Floer homology

education

BS, Mathematics, Middle East Technical University, 2003
BS, Physics, Middle East Technical University, 2003
MSc, Mathematics, Middle East Technical University, 2005
PhD, Mathematics, Michigan State University, 2010

shortbio

Çağrı Karakurt received his PhD in 2010 from Michigan State University under the supervision Selman Akbulut. He was a Simons Postdoctoral Fellow at the University of Texas at Austin between 2010 and 2014. He has been a faculty member of Bogaziçi University in the department of mathematics since 2014. Dr. Karakurt's research interests reside in low dimensional topology or more specifically the topology of three and four-dimensional manifolds which come equipped with some additional structures such as contact structures in dimension three and symplectic structures in dimension four.



EKİN ÖZMAN

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keywords

Arithmetic Geometry, Algebraic Number Theory, Rational Points on Curves, Brauer- Manin obstruction, Modular Curves, Q-Curves, Prym Varieties, Invariants of Curves over Algebraically Closed Fields of Characteristic p and Galois Towers of Curves.

education

PhD, University of Wisconsin-Madison, 2010
BS, Middle East Technical University, 2004

shortbio

Ekin Özman is an assistant professor at Mathematics Department. Before that she was a post-doc at University of Texas-Austin and an EPDI Laureate. Dr. Özman completed her PhD at University of Wisconsin-Madison and her undergraduate degree at METU. Dr. Özman's research is in number theory.



FERİT ÖZTÜRK

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keywords

Contact ans symplectic topology, singularity theory, real algebraic topology, dynamical systems in robotics

education

BSc, Electrical and Electronics Engineering, Physics, Double major, Bilkent University, 1990
MSc, Electrical and Electronics Engineering, Bilkent University, 1993
PhD, Mathematics Department, METU, 2001

shortbio

Ferit Öztürk is a professor in topology in Boğaziçi University Mathematics Department. After he earned his PhD in Middle East Technical University in 2001, he visited Ecole Polytechnique, Palaiseau, France and IPAM, UCLA, USA as postdoc. Since 2003 he worked as an assistant and associate professor in topology in the mathematics department of Boğaziçi University. In years he has visited various mathematics centers as a researcher, including l'Institut Camille Jordan, Lyon (3 months); I2M, Marseille (9 months); MATCUER UNAM, Cuernavaca (1 month); MFO, Oberwolfach (3 months).



Mathematics

BETÜL TANBAY

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keywords	Functional Analysis, Operator algebras, Set Theory
education	BS, Mathematics, Université Louis Pasteur, Strasbourg, 1982 MS, Mathematics, University of California, Berkeley, 1984 Ph.Cand., Logic and Methodology of Science, University of California, Berkeley, 1986 PhD, Mathematics, University of California, Berkeley, 1989
shortbio	Betül Tanbay obtained her PhD. at the University of California, Berkeley, and has been a faculty member of the Department of Mathematics at the University of Boğaziçi since 1989. She has been a visitor in several institutions such as UC Berkeley, Santa Barbara, Paris VI, Bordeaux I, PennState, Kansas, AIM. She has worked since her thesis mainly on the Kadison-Singer Conjecture until it was solved in 2013. She has contributed to the promotion of mathematical research in Turkey through directing research grants (TÜBİTAK), founding and administrating research centers (IMBM, FGE), presiding the Turkish Mathematical Society (TMD-MAD project).
affiliated research center	IMBM, IMeRA, FGE

CEM YALÇIN YILDIRIM

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keywords	Analytic Number Theory, Classical Analysis
education	BSc, METU, 1982 PhD, University of Toronto, 1990
shortbio	I've been working in the Department of Mathematics of Bogazici University since 2002.

5. Molecular Biology and Genetics

The Department of Molecular Biology and Genetics (MBG) is a forefront national center of research in molecular and cellular biology, biochemistry and human genetics. Current research programs focus on the molecular and genetic understanding of cancer, neurodevelopment, innate immunity, protein modifications, toxicology, plant stress resistance, plant immunity and symbiosis. MBG is also recognized as one of the leading regional centers for the identification of genes and mechanisms that contribute to neurodegenerative disorders, epilepsies and bleeding disorders.

MBG is a well-funded and broadly connected research institution with modern research infrastructure. The Department is currently home to 12 faculty and 51 graduate students and researchers. Major funding of MBG research activities is provided by the Scientific and Technological Research Council of Turkey (TÜBİTAK), the Bogazici University Research Fund, the European Union, and the European Molecular Biology Organization (EMBO).

MBG faculty have been awarded many prestigious grants and international funds, including the Marie-Curie Career Improvement and Reintegration Grant, the Gilead Sciences Inc. Fellowship Program, the Turkish Academy of Sciences (TÜBA) Young Investigator Award, and the Bogazici University Outstanding Research Award. During the past 10 years, five MBG faculty have been awarded the EMBO Strategic Installation Grant attesting to the high quality of research performed at MBG.

MBG successfully led the MBG-BRIDGE project between 2010-2014, which was funded by the 7th Framework program of the European Commission with the aim of strengthening MBG's research capacity through local infrastructure and human resource development and trans-national interactions. MBG-BRIDGE had a significant impact on the international recognition of MBG across European universities and research centers and fostered interactions and scientific collaborations. Currently, many faculty members in our department collaborate actively with both domestic and foreign researchers and clinicians.

The faculty and graduate researchers strive for article publication in peer reviewed international journals annually and is currently holder of two international patents. On average, 45 students are enrolled in the Graduate Program in Molecular Biology and Genetics at any given time and about ten new students are admitted to the program per year. A total of 14 Ph.D. and 74 M.Sc. degrees have been awarded over the past five years. After their graduation most MBG students continue an academic research-oriented career at Turkish universities or high-profile research institutions abroad, while some MBG graduates serve as research directors in biotechnology and pharmaceutical companies.

Our faculty members are active in organizing meetings and hosted several international workshops and conferences including the EMBO Young Investigator Meeting, EMBO Young Scientist Forum I and V, Congress of the Molecular Biology Organization of Turkey, an EMBO Workshop on Decoding Neural Circuit Structure and Function, and the 25. European Chemosensory Research Organization (ECRO) Meeting.

MBG hosts a weekly seminar series and is regularly visited by renowned scientists from Turkey and abroad, thus serving as a platform to promote scientific communication and to spread excellence in molecular biology and genetic research.



ESRA BATTALOĞLU

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**keywords**

Human Molecular Genetics, Genetics of peripheral neuropathies, hereditary Motor and sensory neuropathy genetics, Hereditary spastic paraplegia genetics

education

BS, Middle East Technical University, 1986

MS, Boğaziçi University, 1989

PhD, Boğaziçi University, 1992

shortbio

Prof. Battaloglu's research is focused on identification and characterization of genes responsible for inherited diseases of peripheral nervous system. The lab has initiated research in Turkey on Hereditary Motor and Sensory Neuropathy (HMSN), also known as Charcot-Marie-Tooth disease (CMT) genes and their mutations. In parallel to these genetic studies, projects are going on to determine factors that are involved in peripheral nervous system development and maintenance. Another branch in the lab is working on identification of Hereditary Spastic Paraplegia (HSP) genes, especially for autosomal recessive forms of the disease. The major goal of these studies is to unravel the molecular mechanisms of these nervous system disorders that may help to develop treatment for them.



NECLA BİRGÜL İYİSON

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keywords

Cancer research, molecular biology, GPCRs, signaling pathway, transcriptomics

education

BS, Trakya University, 1993

MSc, Hamburg University, 1997

PhD, Hamburg University, 2001

shortbio

Dr. Necla Birgul İyison is a Principle Investigator of the Cancer Signaling Laboratory at Molecular Biology and Genetics Department, which was launched in 2007. Her group is focusing on signaling pathway molecules causing cancer development. She cloned an unknown receptor namely Allatostatin in *Drosophila melanogaster*, it was identified as a homolog of Somatostatin receptor in humans. Allatostatins (ASTs) are neuropeptides that are originally described as inhibitors of juvenile hormone (JH) synthesis in insects. These AST receptors are classified as G-protein coupled receptors (GPCRs). GPCRs are membrane-bound proteins that have roles in signal transduction. They convert external signal into internal signal, and, ultimately, cellular responses. GPCRs contain the biggest protein family, which corresponds to 2% of human genome. They are involved in many diseases. Due to their common effects, which are known, such as regulation of hormonal and immune systems, cell proliferation, metastasis, angiogenesis etc. they are the major targets for about 40% of pharmaceuticals. Therefore they focus on structural characterization of the Allatostatin receptor and finding its binding pocket for the ligand. The final goal will be designing species specific peptide- base agonists/pesticides targeting the allatostatin type C receptor of pine processionary moth by using a combination of in vitro, in silico and in vivo experiments. It is estimated that there are about 130 orphan GPCRs whose endogenous ligand(s) and/or functions are yet to be determined, and they pose great opportunities in understanding human physiology and discovery of potential therapeutic mechanisms. Her group is focusing on GPR139, characterizing its possible role in brain development using in vivo, in vitro and bioinformatic approaches. Using CRISPR/Cas9 technology to generate GPR139 knock-out mouse strain and examine its function.



ARZU ÇELİK

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keywords	Developmental Neurobiology, Sensory Neurobiology, Neuron-Glia Interactions, Disease Models, Glycosylation
education	BS, Bogazici University, 1994 MSc, Bogazici University, 1995 PhD, University of Cologne, 2002
shortbio	Arzu Çelik is an Associate Professor at the Department of Molecular Biology Genetics where she started working in 2007 after finishing her postdoctoral research at New York University Department of Biology. Dr. Çelik is a developmental neurobiologist mainly interested in mechanisms of cellular diversification in the nervous system and uses <i>Drosophila melanogaster</i> as a model system. While her main focus so far was on gene regulatory mechanisms involved in visual and olfactory system development her recent interest circles around the role of glycosylation in nervous system development as well as in different pathologies. The lab also has a longstanding interest in the generation of fly models of neurodegenerative disorders. Dr. Çelik's laboratory mainly uses advanced molecular biology techniques, <i>Drosophila</i> genetics, and confocal imaging. Her research is well supported with national and international grants. Dr. Çelik is Executive Committee Member of the Life Sciences Center, Member of the Research Policy Advising Commission, and the Head of the Institutional Ethics Committee on Research with Human Participants of Bogazici University. She is recipient of a Outstanding Young Scientist Award of the Turkish Academy of Sciences (2008) and recipient of an EMBO Installation Grant (2008). She is founding member and Vice President of the Molecular Biology Organization of Turkey. She has been a Member of the Neuroscience Evaluation Committee of ANR, France between 2012-2015.
affiliated research center	Center for Life Sciences and Technologies
affiliated research lab	Senselab



ŞÜKRÜ ANIL DOĞAN

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keywords Mitochondrial Biology, Aging, Age-related Diseases, Reactive Oxygen Species, Stress Signaling

education BSc, Middle East Technical University, 2005
MSc, Middle East Technical University, 2009
PhD, CECAD / University of Cologne, 2014

shortbio Dr. Şükrü Anıl Doğan has been appointed as an Assistant Professor of Biology at Boğaziçi University Department of Molecular Biology and Genetics in October 2018. Before joining Boğaziçi University, Dr. Doğan was working as an "Investigator Scientist" at MRC Mitochondrial Biology Unit, University of Cambridge. Since his appointment, Dr. Doğan has been awarded prestigious awards such as EMBO Installation Grant and The Science Academy's Young Scientist Award. As the principal investigator of MitoLab, Dr. Doğan's research focuses on the investigation of mitochondrial involvement in stress signaling. MitoLab aims to study different signals emanating from mitochondria and systematically dissect the molecular pathways those signals activate that may be exploited in the context of aging, age-related diseases and mitochondrial fitness.

affiliated research center Boğaziçi University Center for Life Sciences and Technologies

affiliated research lab MitoLab



N. C. TOLGA EMRE

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keywords Molecular biology of cancer; epigenetics & epigenomics; gene regulation

education BSc, Boğaziçi University, 1997
MSc, Bilkent University, 1999
PhD, University of Pennsylvania, 2005

shortbio Tolga Emre is currently an associate professor at Boğaziçi University's Department of Molecular Biology & Genetics, and Life Science Center. Dr. Emre's research interests as a graduate student ranged from in vitro studies on tumor suppressor protein interactions during his MSc degree, to epigenetic mechanisms in gene activation and silencing during PhD. For instance, he was instrumental in uncovering the roles and mechanisms of histone deubiquitylating enzymes in genome regulation. During his postdoctoral work at the U.S. National Cancer Institute, he has employed genome-wide technologies to identify the roles of critical transcriptional regulators in blood cancers. Currently, his research group, Laboratory of Genome Regulation, is interested in identifying molecular mechanisms of key genome regulatory factors in cancer. Dr. Emre is a recipient of Young Scientist award from Science Academy Foundation of Turkey. In addition to research activities, he teaches undergraduate and graduate courses on molecular bio-sciences at Boğaziçi University. His research has been funded by grants from European Commission, EMBO, TÜBİTAK, and Boğaziçi University.

**STEVE FOOTITT**

steven.footitt@boun.edu.tr

<http://www.bioen.boun.edu.tr/?q=node/156> **keywords**

Seed science, seed dormancy, germination, seed vigor, natural variation, climate change, climate adaptation

education

BS, North East London Polytechnic, 1985
PhD, Louisiana State University, 1993

shortbio

Dr Steven Footitt trained in seed biology at the Royal Botanic Gardens in England and obtained his doctorate working on dormancy in red rice in the seed biology lab of Prof. M.A. Cohn at Louisiana State University, Baton Rouge, USA. Since then he has worked as a research scientist in a number of prestigious organisations including the Swedish University for Agricultural Sciences (Uppsala), Edinburgh, and Warwick Universities' (UK), and Rothamsted Research the world's first agricultural research institute. Dr Footitt has published over 30 scientific papers in peer reviewed journals. His research focus is on how seeds in the soil detect and respond to the changing environment. In the course of this work he has made ground breaking advances in our understanding of seed behaviour. Such as how seeds detect seasonal changes in the soil environment to time seedling emergence with the most favourable conditions for seedling survival. By looking at natural variation he has shown how members of a species adapted to different climates respond differently to climate change during seed production, and how this has an impact on seed behaviour. He is currently developing a research programme using natural variation in Arabidopsis and crop plants to look at the genetics of dormancy induction and germination speed in seeds.



NESRİN ÖZÖREN

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keywords

Apoptosis, pyroptosis, innate immunity, cancer, NLR, caspases, interleukin 1beta

education

BS, Bogazici University, Istanbul, Turkey, 1995

PhD, University of Pennsylvania (UPENN), Philadelphia, Pennsylvania, USA, 2002

Post-Doc, University of Michigan (UMICH), Ann Arbor, Michigan, USA, 2005

shortbio

Dr. Özören was appointed Assist. Prof. at the Department of Molecular Biology and Genetics at Boğaziçi University in 2005 and established the Apoptosis and Cancer Immunology Laboratory (AKİL) in 2007. Dr. Özören was promoted to Associate in 2008 and full Professor in 2015. She has pioneered the use of lentiviruses on human primary human melanocytes, keratinocytes and fibroblasts, with the purpose to change their genetic material. During their studies on the functions of NLR proteins, Dr. Özören's group utilizes shRNAi technology to suppress different genes, in a transient or stable manner. Her current work on NLR proteins and immune tolerance mechanisms incorporates the novel induced pluripotent stem cells and CRISPER/CAS9 technologies. Dr. Özören has lead the establishment of xenograft protocols in nude and SCID mice, followed by in vivo imaging, which are essential for cancer research, while managing the animal facility-Vivarium. She has been the coordinator of the Vivarium and vice-director of the Center for Life Sciences and Technologies at Boğaziçi University between the years 2009-2015. AKİL is the first laboratory in the country to focus on inflammasome (ASC speck) assembly mechanisms. Based on these studies a novel delivery method – via ASC specks- has been discovered. ASC specks can be loaded with different antigens and biomolecules and purified microspheres can be used for delivery to cells or animals. This discovery has been patented in Turkey, Japan and USA (TR 2012 04773 B, PCT/IB2013/053079,). Currently, a new project is underway to use this technology and develop novel flu vaccines. Prof. Özören has more than 20 research articles and invited reviews and has more than 2400 citations in WOS database journals. Her h factor is currently 11. She is the President of the Molecular Biology Association of Turkey (2014-2017).



UMUT ŞAHİN

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keywords Targeted therapies, cancer, neurodegeneration, protein degradation, biochemistry

education BS, Bogazici University, 1999
PhD, Brown University, 2005

shortbio

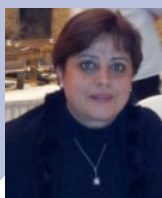
I am an assistant professor in molecular biology & genetics @ Boğaziçi University, the Center for Life Sciences and Technologies. I manage the Laboratory of Post-Translational Modifications, a biomedical research laboratory supported by the European Molecular Biology Organization (EMBO) and Gilead Sciences, Inc.*

My work is centered around the small ubiquitin-like modifier (SUMO) conjugation system. We are interested in how this pathway regulates essential biological processes and contributes to disease. We engage in translational research & experimental therapeutics, and investigate how genetic and pharmacologic manipulation of the SUMO system may be beneficial in clinical settings.

I received a PhD degree in Molecular Biology & Biochemistry from Brown University with dissertation performed at Sloan-Kettering Institute and Cornell Medical School with Carl Blobel. My thesis work focused on post-translational proteolytic activation of EGF receptor ligands and resulted in a seminal paper in the Journal of Cell Biology, now a citation classic.

I then moved to Pasteur Institute in Paris where I spent several years working in Pascale Cossart's department. For the past 6 years, I was a post-doc with Hugues de Thé (College de France). Together with Valérie Lallemand-Breitenbach, Hugues and I uncovered the long-sought biochemical function of PML nuclear bodies as cellular machineries of protein sumoylation and destruction.

affiliated research center Center for Life Sciences and Technologies



MÜGE TÜRET

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🌐 <http://bridge.boun.edu.tr/?q=tr>

keywords

Plant molecular genetics, plant stress tolerance mechanisms

education

BS, Middle East Technical University, 1987
MSc, Middle East Technical University, 1989
PhD, Leeds University, 1994

shortbio

The Plant-Lab group was established in 1997 at MBG under the leadership of plant molecular geneticist Prof. Müge Türet with the interest of application of molecular marker techniques for marker-assisted resistance breeding against monogenic biotic stress factors. To this end, the Plant-Lab performs project based research with national and international agricultural research institutes and provide R&D consultancy to private seed and seedling companies. The research group also focuses on the tolerance mechanisms of plants to abiotic stress factors specifically salt stress signaling pathway. Due to sessile lifestyle of plants, their growth and development largely depend on the environment. Therefore plants are constantly challenged by various abiotic and biotic stresses which constraint their yield and productivity. Differences in evolved sophisticated adaptations and defense mechanisms in diverse plant species generates the distinction between resistant or susceptible characteristics of these plant varieties. Major challenges in agriculture and high productivity in crop plants today are the management and development of such resistant varieties against the dynamic nature of abiotic and biotic stress factors. Therefore, the Plant lab group also focuses determination of key player molecules in salt stress pathway in *Phaseolus vulgaris* L. using transcriptomics, metabolomics and functional genetic approaches.

affiliated research center

Bogazici University Molecular Biology and Genetics Department

affiliated research lab

Plant-Lab

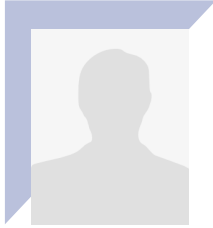
6. Philosophy

The Department of Philosophy of Boğaziçi University offers undergraduate and graduate programs in Philosophy (BA, MA, PhD). The undergraduate program is designed to introduce students to critical exploration of philosophical questions by means of both an analytical and an historical approach. The graduate program aims to develop a deeper and focused understanding of various philosophical topics and, most importantly, to enable students engage in original research and contribute to philosophical heritage. Both in the undergraduate and graduate program there is a wide range of elective courses giving students the opportunity to develop their analytical skills and deepen their philosophical insight.

Our department offers double---major programs with the departments of Mathematics, Physics, History, Western Languages and Literatures, Psychology, as well as with Economics, Sociology, Political Science and International Relations.

In addition to our double---major schemes, our department provides many opportunities for interdisciplinary research to both graduate and undergraduate students. Those who enroll into our program are able to take a variety of elective courses from other departments or work on an one to one basis with a particular professor. In addition to our formal courses we offer a very lively venue for philosophical discussion and exchange of ideas through reading groups that meet weekly, our colloquium with many invited speakers from both Turkey and abroad. and a number of conferences that we organize every year.

Our graduates have performed very high in further studies both in philosophy and many other fields of the arts and sciences. A growing number of them have been extremely successful in PhD programs in prestigious universities throughout Europe and North America.



SUN DEMİRLİ

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keywords

Ontology, properties, hume, early modern philosophy, indiscernibility, structuralism, causation, bundle theory, resemblance nominalism, universalism, plural logic

education

BA, Bogazici University
MA, Syracuse University
PhD, Syracuse University

shortbio

Sun Demirli specializes in early modern philosophy, in British empiricism, in David Hume, in ontology, in metaphysics, in metaphysics of properties and of modality, and has further teaching competence in logic, in philosophy of mind, in epistemology and in political philosophy. His publications include "Indiscernibility and structuralism" (in Philosophical Studies) and "Hume's causal relations" (Boston Studies).



CHRYSSI SIDIROPOULU

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keywords

Wittgenstein, Philosophy of Religion, Medieval Philosophy

education

BA, Aristotle University of Thessaloniki, 1990
PhD, University of Wales, 1996

shortbio

Chryssi Sidiropoulou is Associate Professor of Philosophy. She is also affiliated with the Department of Western Languages and Literatures of Boğaziçi University. She is a graduate from the Faculty of Philosophy of Aristotle University, Thessaloniki, Greece. She got her PhD in Philosophy from the University of Wales Lampeter in 1996, with a thesis entitled 'Wittgenstein, the Self and Religious Life.' The thesis examines Ludwig Wittgenstein's critique of Cartesian dualism and the ways in which his conceptions of language-game and form of life shape a new and liberating perspective for the philosophical study of religious language. Her main areas of specialization being philosophy of religion and the philosophy of Wittgenstein, one of her research interests is medieval philosophy. Through her interest in medieval, she also got increasingly drawn into Islamic philosophy.



YILDIZ SİLİER

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keywords

Social and Political Philosophy, Freedom, Socialist Feminism, Critical Theory, Film and Philosophy, Spinoza, Rousseau, Marx, Mill.

education

BS, Bogazici University, Mathematics, 1997
MA, Bogazici University, Philosophy, 1999
PhD, University of Kent at Canterbury, 2003

shortbio

Yildiz Silier has written three books in Turkish (attempting to make philosophy accessible to a broader public through using Socratic dialogues, films and literature to explore central themes in social and political philosophy. It forms a trilogy focusing on the notions of freedom, happiness and justice respectively. The first one (Ozgurluk Yanilsamasi: Rousseau ve Marx, 2006, Yordam Kitap, 4t edition 2014) is on the illusion of freedom and compares the theories of human nature and needs in Rousseau and Marx. Does the historical increase in our needs enslave us as Rousseau claimed or liberate us as Marx suggested? Her second book Oburluk Cagi: Felsefe ve Politik Psikoloji Denemeleri, 2010, Yordam Kitap, 3rd edition 2014) tries to reveal the irrationalities and contradictions specific to capitalism ranging from current forms of women's oppression to different aspects of alienation such as fetishism of happiness and success. It explores how capitalism shapes and manipulates subjectivities to create obedient citizens and happy slaves. Her third book Kokler, Carklar ve Bulutlar: Bir Karsilasmalar Masali (Yordam Kitap 2016) includes five stories of rebellion against oppression (animals, peasants, slaves, women, workers). Each story has two alternate endings about what would happen if the rebellion succeeds or fails. Her other publications include: - Freedom: Political, Metaphysical, Negative and Positive (Ashgate, 2005) Reprinted by Routledge in 2017. - With Aysen Candaş, "Quietly Reverting Public Matters into Private Troubles: Gendered and Class-Based Consequences of Care Policies in Turkey", Social Politics, 21/1, Spring 2014. - "Sömürgecilğe Karşı İsyân", İsyân ve Devrim Filmleri (ed. Yeşim Dinçer), Yordam Kitap, 2013. - "John Stuart Mill", Siyaset Felsefesi Tarihi: Platon'dan Zizek'e, Doğu Batı Yayınları, 2013. - "Marx ve Rousseau: Eşitsizlik ve Özgürlük", Doğu Batı: Düşünce Dergisi (Marx özel sayısı).



STEPHEN SNYDER

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keywords	Philosophy of Art, Social and Political Philosophy, Critical Theory, Transformation of the artistic form
education	BA, Philosophy/Computer Science, Manchester University MA Program, Philosophy, Frankfurt University PhD, Philosophy, Saint Louis University
shortbio	Dr. Snyder specializes in the philosophy of art, social and political philosophy, and nineteenth and twentieth century continental philosophy. He has particular interests in researching the communicative dimension of artistic practice. His research focuses on case studies that exhibit how shifts in a cultural value system are reflected in the visual arts and metaphor.
affiliated research center	Fulbright Researcher, Institute of Art History and Theory, Tbilisi State University, Georgia



STEPHEN VOSS

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keywords	Philosophy Metaphysics Mind Descartes
education	BS, Math, Wheaton College (IL, USA), 1962 PhD, Philosophy, Stanford University, 1968
shortbio	I was inspired to enter philosophy by reading the great figures in the history of western philosophy. I studied in the analytic vein in graduate school. Then I began working in metaphysics. In Australia I developed a serious scholarly interest in Descartes. Later this expanded to include Plato, Aristotle, Leibniz, and Kant. More recently I decided to do research that is less historical and more directly philosophical. I remain interested in metaphysics generally but have always been interested in philosophy of mind in particular. My current work focuses on Leibniz's correspondence with Arnauld and questions about the self. I hope to make progress toward answers to some of these questions and also to inspire students at this university to do the same thing.



Philosophy

KENNETH R. WESTPHAL

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<http://boun.academia.edu/KennethRWestphal>

**keywords**

Justificatory Reasoning in Non-Formal Domains; Epistemology, History & Philosophy of Science; Realism & Anti-Realism; Moral Philosophy, History & Philosophy of Law; Kant; Hegel; 17th–18th Century Philosophy, esp. Descartes & Hume; Sextus Empiricus; American Pragmatism, esp. C.I. Lewis, Wilfrid Sellars, F.L. Will.

education

BA, Social Theory, University of Illinois-Urbana Champaign, 1977
MA, Philosophy, University of Wisconsin-Madison, 1981
PhD, Philosophy, University of Wisconsin-Madison, 1986

shortbio

The character and scope of rational justification in non-formal, substantive domains, i.e., both cognition (Epistemology, History & Philosophy of Science) and Morals (Ethics, Social, Political & Legal Philosophy). For details, please see: 'Statement of Research Aims', on my website. He has published 150 research articles in prominent international journals, edited 6 collections of research articles with major presses, and has authored 6 monographs (2 more nearing completion), including: Hegel, Hume und die Identität wahrnehmbarer Dinge (Klostermann 1998), Kant's Transcendental Proof of Realism (CUP 2004), How Hume & Kant Reconstruct Natural Law: Justifying Strict Objectivity without Debating Moral Realism (Clarendon 2016), Grounds of Pragmatic Realism: Hegel's Internal Critique & Transformation of Kant's Critical Philosophy (Brill 2018); Hegel's Civic Republicanism - Integrating Natural Law with Kant's Moral Constructivism (Routledge 2020).

affiliated research center

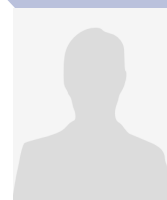
Editor: SATS – Northern European Journal of Philosophy (DeGruyter); 1 of 4 Executive Editors, together with Esther Oluffa Pedersen (Aarhus), Mark Addis (London) and Nora Hämäläinen (Helsinki). Associate Member, Centre for Philosophy of Education, Institute of Education, University of London.

FRANK ZENKER

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**keywords**

Philosophy of Science and Epistemology, Logic and Philosophy of Language, Cognitive Science

education

MA, University of Amsterdam, The Netherlands, 2002
PhD, Hamburg University, Germany, 2007
Habilitation, Lund University, Sweden, 2014

shortbio

Frank Zenker works in Social Epistemology, Cognitive Science, and the Philosophy of Science. Among others, he leads the workgroup on norms of public argument of the EU COST Action APPLY, European Network for Argumentation and Public Policy Analysis (CA17132), and is a steering committee member of the European Conference on Argumentation (ECA), <http://ecargument.org/>

affiliated research center

Models Theories Research Programs (MTR) <https://mtrboun.wordpress.com/>

affiliated research lab

Behavioral Neuroscience Lab, Vision Lab

7. Physics

The Department of Physics in Bogazici University offers the basic ingredients needed to delve into the exciting adventure of the human mind in the most flexible way possible. The undergraduate program allows our students to choose specializations from a pool of options including Basic Physics, Astrophysics, Computational Physics, Physical Electronics-Applied Solid State Physics and Medical Physics. Furthermore, physics students can also choose to take classes from Archeometry, Social Sciences, Environmental Sciences, Economy, Teaching Physics, French, German, Communication, Management, Chemistry, and Molecular Biology to develop special interests and/or to apply the experimental, mathematical and information-processing capabilities acquired during physics education to other disciplines that they plan to pursue.

In our department, there are seven undergraduate physics laboratories. Four of them are for Freshmen and Sophomores. We have one Modern Physics Lab for physics senior students, one Electronics Lab and one Computer Lab. There are nine research laboratories in the department, mostly for graduate students. These labs are Experimental High Energy Physics, Solid State Physics, Photonics, Soft Matter Physics, Nano-magnetism and Spin Applications, Medical and Biological Physics, Nuclear Physics, Astrophysics, and Climate Physics.

Our faculty members work on the following topics: Astrophysics, Atomic and Molecular Physics, Theoretical and Experimental Condensed Matter, Theoretical and Experimental High Energy Physics, Photonics, Gravitation, Statistical Physics, Mathematical Physics, Medical and Biophysics, Climate Physics, and Nuclear Physics.



Physics

AŞKIN ANKAY

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keywords Neutron star; pulsar; supernova; interstellar medium

education BS, METU, 1994
MS, METU, 1996
PhD, METU, 2002

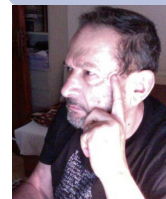
shortbio

A. Ankey worked at Anton Pannekoek Institute of Amsterdam University between 1999-2000 as a guest researcher in the High Energy Astrophysics group of E.P.J. van den Heuvel. After he got his PhD in physics, he worked as a post-doc researcher at TÜBİTAK - Bogazici University Feza Gürsey Institute between 2002-2005. He is an associate professor at Bogazici University Department of Physics since 2005. A. Ankey has 40+ published articles in international scientific journals and conference proceedings. He is a co-author of the book 'Progress in Neutron Star Research' (2005, Nova Sci. Pub.) and a co-author and co-editor of the book 'Neutron Stars, Supernovae and Supernova Remnants' (2007, Nova Sci. Pub.). His main areas of interest are various types of isolated neutron stars, X-ray pulsars and black holes in binary systems, supernova explosions and supernova remnants, Galactic structure and the interstellar medium.

METİN ARIK

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keywords High Energy Theory and Experiment, Mathematical Physics, Cosmology

education BS, İstanbul University, 1969
MS, University of Pittsburgh, 1970
PhD, University of Pittsburgh, 1974

shortbio

Metin Arık graduated from İstanbul University Faculty of Science in 1969 with a diploma degree in Physics-Mathematics. He received his MS (1970) and PhD (1974) degrees from University of Pittsburgh. His research interests cover a wide spectrum including High Energy Theory and Experiment, Mathematical Physics, and Cosmology. He has authored and coauthored over a thousand research articles which have received over one hundred thousand citations. He was a research associate at Ohio State University (1974), Brookhaven National Laboratory (1974-1976) and University of London (1976-1979). He is currently Emeritus Professor of Physics at Boğaziçi University where he started as Assistant Professor in 1979. For the period 1986-1992 he was Professor of Applied Mathematics at İstanbul Technical University. He is a member of Turkish Academy of Sciences, and the Science Academy (İstanbul), and has served as President of Turkish Physical Society (1996-2000), President of Balkan Physical Union (2006-2009). Metin Arık holds a Doctor Honoris Causa degree from Ovidius University.



E. NİHAL ERCAN

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keywords

High Energy Astrophysics; X-ray & optical observations of galactic and extra galactic objects, galactic and extragalactic supernova remnants mega masers; dark matter, dark energy

education

BS, Physics & Mathematics-Double Major, Istanbul University, 1976

MSc, Physics, Bogazici University, 1978

PhD, University College London-Mullard Space Science Laboratory, 1983

shortbio

First scientist who brought X-ray Astronomy & Astrophysics Observations and Data Anlaysis to Turkey, Boğaziçi University Physics Department, after having Turkish Ministry of Education Scholarship in 1979 as the second most successful student of the entrance exam over the thousands of applicants, and graduating from UCL- Mullard Space Science lab of University College London ,Department of Physics & Astronomy for her PhD with first class diploma in 1983. Working at BU since January 1984. Taught many students in her research areas as well as in general fundamental physics courses and supervised tens of MSc theses, and PhD theses so far. Currently active in various research fields of Astrophysics, including X-ray, optical observations of galactic and extra-galactic sources, cosmology in theory as well as observational aspects of dark Matter and dark energy, Mega Masers. Fields of research; Low mass X-ray binary systems, X-ray bursters, globular cluster X-ray sources, galactic bulge X-ray sources, X-ray and optical observations of Supernova Remnants, Optical and X-ray search of possible supernova remnants in the nearby galaxies, Clusters of Galaxies in X-rays and optical band, Mega Masers, Dark Matter and Dark energy.

affiliated research center

Mullard Space Science laboratory of University College London, Department of Physics & Astronomy) (MSSL-UCL), Rutherford Appleton Laboratory (RAL) in The United Kingdom, University of Bonn, Physics Department.

affiliated research lab

MSSL-UCL,RAL in United Kingdom



Physics

ERHAN GÜLMEZ

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keywords High Energy Physics, Medical Physics, Nuclear Physics, Gamma-ray spectroscopy

education BS, EE+Physics, Bogazici University, 1982
MS, Yale University, 1985
M. Phil, Yale University, 1985
PhD, Yale University, 1986

shortbio E. Gülmez is a Professor of Physics. He received his Physics PhD from Yale University in 1986. Then he joined the UCLA Intermediate Energy Nuclear Physics group under the leadership of Prof. G. Igo as a research faculty. He was stationed at Los Alamos Meson Physics Facility (LAMPF) during this time while working on proton scattering and neutron time of flight experiments. Some of the experiments involved polarized targets with 2 T superconducting magnets and He3/He4 dilution refrigerators. In 1992, he moved to Turkey and joined Bogazici University Physics Department as an Assistant Professor. At the same time started working in the SMC experiment proposed to study the spin structure of the nucleon at CERN, especially in the polarized target area. In 1994 he became an Associate Professor of Physics in the department and a year later joined the SELEX collaboration at Fermilab in US. SELEX experiment ran a few years and collected data to study the production of charm baryons at Fermilab energies. He became a full professor in 1999 and the next year joined the CMS collaboration at CERN. He has been an active member of the CMS since then. Currently he is the country representative for Turkey, CMS-HCAL resource manager and the Other States-B Representative to the Management Board. He taught summer school courses at the University of Iowa many years while collaborating with the faculty and researchers there. He was also a member of the MIPP collaboration at Fermilab. He received TUBITAK award for young researchers (tesvik) in 1996 and Bogazici University High achievement in research award twice.

affiliated research center CERN, CH1200, Geneva, Switzerland Fermilab, Chicago, IL, USA University of Iowa Physics and Astronomy Department



M. NACI İNCİ

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keywords

Photonics, interaction of light with nano-particles, time-resolved imaging, fiber optics, optical sensors, photonic crystals, optical metrology, cavity quantum electrodynamics, quantum information, quantum cryptography

education

BS, Marmara University, 1987
PhD, Heriot-Watt University, 1993

shortbio

Prof Naci İnci received his BSc degree in physics from Marmara University, Istanbul, in 1987. He received his PhD degree in physics from Heriot-Watt University, Edinburgh, UK, in 1993. From 1993 to 1994, he worked as a postdoctoral research fellow on fibre optic communication systems at the Electrical Engineering Department of Stanford University, CA, USA. In 1994, he moved to Bogazici University as Assistant Professor at the Department of Physics. He was promoted to Associate Professorship in 1996. He worked at the same department until 1999. From 1999 to 2005, he worked as a faculty member at Sabanci University. He took an active part in establishing laboratories and curriculum of the Faculty of Engineering and Natural Sciences. In addition, he developed strong relations between the university and industry; and obtained two international patents for one of the country's pre-eminent industrial establishment. In 2005, he joined Bogazici University, Physics Department as Professor of Solid State Physics. He is currently the Head of Physics Department. During his academic carrier, Prof İnci has held appointments at the following institutions: 4th Physikalisches Institut, Stuttgart University, Germany (2002) Electronic Engineering Department, Gunma University, Japan (1998-1999) Applied Optics Department, Norwegian Technical University (1998) Physics Department, Heriot-Watt University, Edinburgh (1997) Prof İnci's research interests include physics of nano-particles, time-resolved imaging and spectroscopy of nano-particles, investigation of physical and optical properties of nano-particle-doped polymers and their sensor applications, fiber optics, optical sensors, photonic crystals, optical metrology, cavity quantum electrodynamics, quantum information, quantum cryptography.

affiliated research lab

Fiber Optics Lab, Physics Department, Boğaziçi University. Manager, BUSTYAL.



Physics

MEHMET LEVENT KURNAZ

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keywords Atmospheric modeling, climate impact modeling, resilience and sustainability in a changing environment

education BS, EE Bogazici University, 1988
BS, Phys Bogazici University, 1990
BA, International Relations Anadolu University, 2015
MSc, EE Bogazici University, 1990
MSc, Phys University of Pittsburgh, 1991
PhD, Phys University of Pittsburgh, 1994

shortbio Prof. Levent Kurnaz was born in Istanbul. He received his B.S. Degree in Electrical and Electronic Engineering in 1988, his M.S. Degree in Electrical and Electronic Engineering and his B.S. Degree in Physics in 1990 from Bogazici University, his M.S. Degree in Physics in 1991 and his Ph.D. Degree in Physics in 1994 from University of Pittsburgh. Between 1995 and 1997 he worked as a research associate at Department of Chemistry in Tulane University. In 1997 he joined Bogazici University Physics Department as an assistant professor. Since he has been a Professor of Physics at Bogazici University. In 2014 he has been appointed as the Director of the Center for Climate Change and Policy Studies at Bogazici University. Prof. Kurnaz has 3 books and 34 scientific papers in international journals. He has been an advisor to 30 M.S. and 8 Ph.D. thesis ongoing and finished.

affiliated research center Center for Climate Change and Policy Studies

affiliated research lab Climate Change Research Laboratory

SERDAR NERGİZ

nergiz@boun.edu.tr ✉



keywords Mathematical Physics

education PhD, Bogazici University, 1989

shortbio Serdar Nergiz is a professor of physics at Bogazici University.

**ÖZHAN ÖZATAY**

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🌐 <http://www.phys.boun.edu.tr/~ozhan/BUSPIN/>**keywords**

Spintronics, Magnetic Memory, Magnetic Sensors, RF oscillators, phase change memory, semiconductor technology, spin dependent transport

education

BS, Electrical and Electronic Engineering, Bogazici University, 2000
BS, Physics, Bogazici University, 2000
MS, Applied and Engineering Physics, Cornell University, 2003
PhD, Applied and Engineering Physics, Cornell University, 2007
Post-doc, San Jose Research Center - Hitachi

shortbio

Ozhan Ozatay graduated from Bogazici University Electrical Engineering and Physics departments in 2000. He got his PhD from Cornell University Applied & Engineering Physics in 2007. Between 2007 and 2009 he was a post-doctoral researcher in Hitachi Global Storage Technologies / San Jose Research Lab. He joined BU physics department faculty in 2009. Between 2009-2012 he was an assistant professor, 2012-2017 associate professor since then he is professor of physics. He received Distinguished Young Scientist award from Turkish Academy of Sciences in 2010 and Prof. Dr. Mustafa Parlar foundation young scientist incentive award from Middle East Technical University. He also won the 2013 Prof. Dr. Şevket Erk young scientist award from Turkish physical society and Feyzi Akkaya foundation Distinguished Young Scientist award from Istanbul Technical University. He also got in 2015 TUBITAK Horizon 2020 over-threshold and patent awards, Bogazici University Foundation Young Scientist Award for Excellence in Research. He has co-authored over 25 publications with more than 1000 citations. In August 2009, he founded Bogazici University Nanomagnetism and Spin Applications research Lab and focused his research on phase-change memory technologies, spintronics, magnetic materials and memory/sensor/oscillator applications, magnetic force microscopy, three-dimensional magnetic memory, the physics of nano-magnets. He was the principal investigator of an EU Marie Curie IRG project, 4 TUBITAK projects and several BAP projects. He has strong collaborations with Prof. Giovanni Finocchio from Italy Messina University and Prof. Thomas Hauet from France Lorraine University. Between 2017 and 2018 he is taking a visiting -scholar position in Argonne National Lab, USA to work on antiferromagnetic spintronics with Dr. Axel Hoffmann. He is also a founding member/shareholder of a start-up company named REBUS Labs.

affiliated research center

Sabancı University Nanotechnology Research Center (SUNUM), Bogazici University Advanced R&D Lab

affiliated research lab

BUSPIN lab, Solid State Physics Lab, Bio-AFM Lab.



Physics

VEYSİ ERKCAN ÖZCAN

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keywords Particle detectors, small particle accelerators, experimental high energy physics

education BS, Electrical and Electronics Eng, Middle East Technical University, 1999
BS, Physics, Middle East Technical University, 1999
PhD, Applied Physics, Stanford University, 2006

shortbio Prof. Ozcan is an experimental physicist whose research covers all aspects of the field, detectors, accelerators, phenomenology and data analysis. As a physicist who has been part of two major international collaborations (BaBar at SLAC and ATLAS at CERN) and a number of smaller ones throughout his scientific career, he has contributed to a large number of publications. His current h-index is above 100 according to Google Scholar, the highest value amongst academics from Turkish institutions. Prof. Ozcan is the recipient of the 2013 Young Scientist Grant of the Turkish Science Academy Foundation, 2015 Young Scientist Award of the Science Heroes Foundation, 2016 Scientist of the Year award of the Turkish Physical Society, 2017 Excellence in Education award of the Bogazici University Foundation, 2018 TUBITAK Incentive Prize in Basic Sciences.

affiliated research center CERN

affiliated research lab Kandilli Laboratory for Accelerators, Detectors and Instrumentation (KAHVE Lab)

İBRAHİM SEMİZ

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keywords General Relativity Black Holes Cosmology

education BS, Boğaziçi University, 1986
PhD, Yale University, 1992

shortbio İbrahim Semiz is a Professor in Theoretical Physics. His research interests lie mainly in the field of General Relativity, in particular, Black Holes and Cosmology. He is also interested in promoting public appreciation of the scientific endeavor. Dr. Semiz is the author of 17 (as of 2019) papers in international scientific journals, and the popular-level book "Elli Soruda Görelilik Kuramları" [Theories of Relativity in Fifty Questions].



O. TEOMAN TURGUT

✉ turgutte@boun.edu.tr



keywords

Mathematical physics, gauge theories, geometric methods, geometric quantization, singular problems and renormalization.

education

BS, Bogazici University, 1990
PhD, University of Rochester, 1996

shortbio

After having completed PhD at University of Rochester, NY, under the supervision of S. G. Rajeev, became one of the first EPDI postdocs, one year at IHES, Bures-sur-Yvette and one year at Cambridge University, Cambridge. Following this became a postdoctoral researcher at Mittag-Leffler Institute, Djurholm for 6 months and then became a Gustafsson fellow at KTH, Stockholm for a year. Became a faculty member at Physics department. 2005-2011 director of Feza-Gursey Institute.



MEHMET BURÇİN ÜNLÜ

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🌐 <http://www.phys.boun.edu.tr/~burcin/index.html>

keywords

Physics of Cancer, Cancer Imaging, Physical Cancer Modeling, Photoacoustic Imaging, Photoacoustic Microscopy

education

BS, Physics Middle East Technical University, 1996
MSc, Physics Bogazici University, 1998
PhD, Physics and Engineering Physics Stevens Institute of Technology, 2004

shortbio

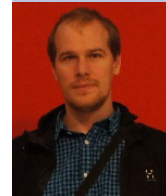
Mehmet B Unlu received the B.S. degree in physics in 1996 from Middle East Technical University, Turkey and his Ph.D. degree in physics in 2004 from Stevens Institute of Technology, NJ. His Ph.D. dissertation was on the solution of quantum transport equation in resonant tunneling diodes. He joined the Center for Functional Onco Imaging at University of California, Irvine in 2004. His research involved diffuse optical tomography. He joined Bogazici University Department of Physics in 2010. His main area of interests are physical modeling of cancer and photoacoustic microscopy. His lab has recently built the first photoacoustic microscopy system in Turkey.



DIETER VAN DEN BLEEKEN

dieter.van@boun.edu.tr 

http://www.phys.boun.edu.tr/faculty_wp/dieter_bleeken.html 



keywords Quantum Gravity, Quantum and Classical Field Theory, Mathematical Physics

education BS, Physics, University of Leuven, 2002
MS, Physics, University of Leuven, 2004
PhD, Institute for Theoretical Physics, University of Leuven, 2008

shortbio After obtaining his PhD in theoretical physics at the University of Leuven Dr. Van den Bleeken spent three years as a post-doctoral researcher at the New High Energy Theory Center at Rutgers University. Afterwards he came to Turkey as a TUBITAK post-doctoral fellow and in 2012 joined the Physics Department of Bogazici University as an Assistant professor.

8. Psychology

The Department of Psychology at Boğaziçi University offers a highly competitive undergraduate education, as well as M.A. and Ph.D. degrees in the Psychological Sciences and Clinical Psychology. There is also a center for psychological services, serving the university community. For details regarding the department please see <https://psychology.boun.edu.tr/>

The Psychology Department houses eight research laboratories and which provide our students with the opportunity to conduct research in six major branches of psychology (<https://psychology.boun.edu.tr/content/labs>). Projects are mostly supported TUBITAK, TUBA, the Science Academy, and the B.U. Research Fund and we have many international collaborations (e.g. Michigan, Brandeis, Leeds, University of Texas, Genova, Purdue, SUNY, NYU, UCL, Oxford, Harvard, Charles University (Prague), Boston University and Pompeu Fabra University).

Baby & Child Development Laboratory (BCL) investigate social-cognitive development in infancy and childhood. Current research interests include studies children's understanding of social groups and categories, the effects of infants' attentional biases on their learning and the communicative and social role of music and speech in early development.

Cognitive Processes Laboratory The faculty members affiliated with this lab investigate issues ranging from music and rhythm perception, visuospatial representations, to memory, meta-memory and collective memory processes and the individual and cultural differences at each level.

Developmental Laboratory Main interests of the laboratory include: cultural differences in emotion expression and emotion regulation in early childhood, home and daycare chaos, working memory development between 24-36 months, and children's language acquisition processes.

Learning Laboratory Core interests are in the mechanisms of classical conditioning and observational learning in relation to sexual behavior. Using quails, the goal is to create a model of sexual dysfunctions and atypical sexual behaviors.

Psychobiology Laboratory utilizes animal (rodent) models to elucidate the impact of circadian (daily) rhythms on affective functions. Also, brain circuits underlying anxiety and depression, and their interaction with diverse types of learning and memory are examined.

PsychoEpigenetics Laboratory (PEG Lab) investigates the psychological, genetic and epigenetic factors that influence individual differences in behavior, with an emphasis on gene-environment interactions.

Social Psychology Laboratory Main themes of research are culture, group dynamics and intergroup relations, political psychology and person perception. These topics are addressed using a variety of methods ranging from computerized measures, naturalistic observations and surveys.

Vision Laboratory With an interdisciplinary approach, researchers in the vision group mainly focus on the psychophysical investigation of time perception, visuo-motor interaction, scene recognition, motion prediction and emotionally ambiguous faces.

**İNCİ AYHAN**

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<https://psychology.boun.edu.tr/InciAyhan> **keywords** Visual Perception, Visuo-Motor Interaction, Time Perception, Psychophysics**education** BS, Psychology, Middle East Technical University, 2006
BS, Double Major: Biology, Middle East Technical University, 2007
PhD, University College London, 2010**shortbio** After having earned a double major degree in Psychology and Biology at the Middle East Technical University in 2007 , İnci Ayhan was awarded a scholarship to conduct graduate studies at University College London (UCL) in the same year. During her Ph.D years she received a broad and in-depth education in spatial and temporal vision, together with psychophysical methodology, and conducted experimental research aimed at investigating vision- based mechanisms of time perception under the supervision of Prof Alan Johnston. Following her PhD, she was awarded with ESRC Postdoctoral Fellowship to carry out an fMRI investigation on visual time perception for a year at Birkbeck-UCL Centre of Neuroimaging (Bucni) under Prof Marty Sereno's mentorship. This fellowship allowed her to receive extensive training on designing and running neuroimaging experiments and analysing MRI data. Following this fellowship in the year of 2012, she worked as a postdoc in Prof Johannes Zanker's lab at Royal Holloway, University of London on a project which aimed at mapping visual deformations in macular degeration using a graphical user interface built in Matlab. She has been an assistant professor at Bogazici University, at the Department of Psychology since 2014.**affiliated research lab** Vision Lab (<https://visionlab.boun.edu.tr/en>)



AYŞECAN BODUROĞLU

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🌐 <http://www.psychology.boun.edu.tr/AysecanBoduroglu>

keywords

Cognitive psychology; applied cognition; memory; representation; data visualization; culture & cognition

education

BS, Bogazici University, 2000
MS, University of Michigan, Ann Arbor
PhD, University of Michigan, Ann Arbor

shortbio

Dr. Aysecan Boduroglu is broadly interested in individual differences in basic and applied cognition, with a particular focus on the nature of representation and memory-related processes. To this end, she has worked with older adults, patient and expertise groups as well as members of different cultural backgrounds. Her primary interest is in how individuals represent visual and spatial information and in identifying the limitations of the cognitive system. Recently she has started to extend her basic research to more applied fields in the domain of data visualization (e.g. graph processing; outcome processing, risk analyses etc.). Her second major area of interest is broadly in the social memory domain. She has been involved in research investigating the nature and distribution of public event memories, their relationship to sociopolitical identity and collective memory and to future thinking in the collective realm. She is not only interested in identifying the content of such memories but also interested in identifying the group and individual level factors that form, distort and propagate particular public event accounts. Dr. Boduroglu is the recipient of The Science Academy, Young Scientists Awards Program (BAGEP), The Scientific and Academic Council of Turkey, TUBITAK Incentive Award (TUBITAK TESVIK), Bogazici University Foundation, Distinguished Young Researcher Award, and Turkish National Academy of Sciences (TUBA)-The Young Scientists Award (GEBIP).

affiliated research lab

Cognitive Processes Lab



FEYZA ÇORAPÇI

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keywords	Early childhood; Social-Emotional Development; Parenting; Home and Daycare Chaos; Poverty; Prevention; Culture
education	BA, Psychology, Boğaziçi University MS, Clinical Psychology, Purdue University PhD, Clinical Psychology, Purdue University
shortbio	Feyza Çorapçı is an associate professor of clinical psychology at Bogazici University, Turkey. Her area of specialization is on socioemotional development in early childhood. Her research aims to understand the role of contextual, familial, and child characteristics on young children's adjustment. She has published scholarly articles and chapters on research topics that include: 1. Role of emotion socialization on toddlers' and preschoolers' social competence and behavioral adjustment 2. Emotional development in a cross-cultural perspective 3. School-aged children's emotion display rules 4. Effects of environmental chaos on parenting and children's social-emotional development Dr. Çorapçı is also on the advisory board of "Early Childhood Development" of the Turkish Mother-Child Foundation, and she provides consulting support to Bernard van Leer Foundation's projects in Turkey.
affiliated research center	BÜPAM http:// www.psychology.boun.edu.tr/content/clinical-training-clinic-b%C3%BCpam
affiliated research lab	Child Development Laboratory http://www.psychology.boun.edu.tr /content/developmental-lab



ELİF AYSİMİ DUMAN

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keywords	Biopsychology, gene-environment interactions, behavioral epigenetics, childhood maltreatment, social support, stress reactivity; prenatal environment
education	BSc, Molecular Biology and Genetics, Istanbul Technical University, 2006 MA, Psychology, Stony Brook University, 2009 PhD, Biopsychology, Stony Brook University, 2012
shortbio	Elif Aysimi Duman is an Assistant Professor at the Psychology Department. Her research is centered around understanding the mechanisms underlying human social behavior. For this purpose, she investigates genetic and psychosocial factors and their interaction in determining behavioral outcomes such as stress reactivity and vulnerability or resilience to psychopathology. In particular, she is interested in the impact of stressful life events and their interaction with genetic factors on individual differences in stress reactivity. In addition, she is also interested in investigating epigenetic mechanisms mediating gene-environment interactions. Currently, she is conducting a longitudinal birth cohort project to investigate the effects of environmental factors on Maternal-Placental-Fetal biology and infant development.
affiliated research center	Life Sciences and Technologies Research Center
affiliated research lab	Psychoepigenetics Lab (https://peglab.boun.edu.tr)



ESRA MUNGAN

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keywords	Music Perception, Music Memory, Episodic Memory, Forgetting Mechanisms
education	BA, Boğaziçi University, 1990 MA, American University, 1998 PhD, American University, 2007
shortbio	Esra Mungan received her undergraduate degree in Psychology from Boğaziçi University in 1990, graduating as top student of the Faculty of Arts and Sciences. She undertook her studies at American University (Washington, D.C.) where she was admitted with a Dean's Honor Scholarship to the Ph.D. program in Experimental Psychology. During her PhD work, Mungan was invited by the Boğaziçi University Psychology Department to teach an obligatory 3rd-year course (PSY 301-302 Research Methods I-II) as a part-time faculty member from 1994 to 1996. After that she quit the PhD program at American University and started to work fulltime elsewhere. She returned to Boğaziçi University as an Instructor in 2002 and re-entered the PhD program in Behavior, Cognition and Neuroscience at American University in 2005, where she received her PhD degree in January 2007. Mungan served as Vice Chair of the department between 2002-2005. Since 2005 she is the coordinator of the Departmental Erasmus and Exchange Program. Since 2018 she is also program director of the Psychological Sciences MA program. Mungan's publications and conference presentation are on forgetting mechanisms in long-term episodic memory, implicit processes, qualitative aspects of memory and memory awareness, effects of encoding processes in music memory. More recently she started to work on music segmentation, Gestalt principles in music perception, rhythm perception and language-music interactions. Among her other interests are conceptualizations of evolutionary theory as well as cognitive science related issues.
affiliated research lab	https://bouncoglab.wordpress.com/research-areas/music-memory/



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keywords	Psychotherapy, psychiatric diagnosis, clinical neuropsychology, neuropsychological assessment
education	BA, Bogazici University, 1996 MA, Bogazici University, 1998 PsyD, Rutgers University, 2006
shortbio	Yasemin Sohtorik İlkmen is a clinical psychologist who specializes in the assessment and treatment of mental disorders. Her research interests include psychoanalytic therapies, transference and countertransference. She is also interested in clinical neuropsychology, particularly assessment of intelligence and executive functions.

GAYE SOLEY

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keywords	Child development, infancy, social-cognitive development, social learning, music perception
education	BA, Bogazici University, 2006 MA, Harvard University, 2009 PhD, Harvard University, 2012
shortbio	Gaye Soley is an Assistant Professor in the Department of Psychology. She is also the director of the Baby and Child Development Laboratory at Bogazici University. She received her Ph.D. from Harvard University in Developmental Psychology. One of her research lines examines universal and culture-specific constraints on the development of rhythm perception. A second line of her research explores the social and communicative functions of music, singing and speech in early development. Using music as a tool, her research aims at better understanding the nature of early social preferences and inferences.
affiliated research lab	Baby and Child Development Laboratory



DENİZ TAHİROĞLU

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keywords Pretend play, theory of mind, executive functioning, anthropomorphism, imagination, creativity

education BA, Bogazici University, 2005
MA, University of Oregon, 2006
PhD, University of Oregon, 2012

shortbio Deniz Tahiroglu received her B. A. degree in Psychology from Bogazici University in 2005. She completed her M.A. and Ph.D. in Developmental Psychology at University of Oregon in 2006 and 2012, respectively. She worked as an assistant professor at Ozyegin University between 2013 and 2017, and joined the Department of Psychology at Bogazici University in 2017. Her research focuses on preschool children's social-cognitive development.



GÜNEŞ ÜNAL

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keywords Systems Neuroscience, Functional Neuroanatomy, The Limbic System, Basal Forebrain, Neuronal Oscillations, Neuromodulatory Systems, Animal Models of Stress

education BA, Boğaziçi University, 2008
PhD, Rutgers University, 2012
Postdoc, Rutgers University, 2012-2013
Postdoc, University of Oxford, 2013-2017

shortbio Asst. Prof. Ünal is a neuroscientist who specializes in the neuronal mechanisms of fear memory, depression and anxiety. He joined the Department of Psychology at Boğaziçi in 2017, following his employment at the University of Oxford, where he has been a Blaschko Fellow in the Department of Pharmacology and a Junior Research Fellow at Linacre College. He runs the Behavioral Neuroscience Laboratory investigating the neuronal circuits underlying aforementioned affecto-cognitive processes/ disorders. His group utilizes a variety of neuroanatomical, electrophysiological and behavioral techniques in rodent models. Asst. Prof. Ünal is supported by the repatriation scheme of TÜBİTAK.

affiliated research center Boğaziçi University Center for Life Sciences and Technologies Boğaziçi University Cognitive Science Program

affiliated research lab Behavioral Neuroscience Laboratory
www.neuroscience.boun.edu.tr

9. Sociology

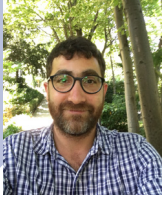
The Department of Sociology combines a strong sociological tradition with contemporary anthropological perspectives.

The academic interests of the department's permanent staff are wide-ranging, overlapping with related disciplines such as anthropology, demography, health and population, history, political science and philosophy. The faculty's research is grounded in diverse fields such as the political economy of housing markets, rural production systems, state-making processes, nationalism and ethnic conflict, education and migration, social memory, political ecology, among others.

We are committed to teaching as much as we are committed to research and academic production. We have a very strong undergraduate curriculum and equally strong master's program which expose our students to different approaches in the social scientific tradition and endows them with a deep understanding of the history and contemporary structures and processes of the modern world. Our graduates have been mobilizing the sociological imagination and analysis capacity that they acquire in our Department in a wide range of fields upon graduation from journalism to human resources in the corporate world or from research institutions to the academia.

The faculty share a strong international orientation, reflecting their training in major North American and Western European universities, their continued involvement in international professional associations, and their ongoing collaborative research and writing with colleagues abroad.

In addition to the permanent faculty, the range of courses and scholarly exchange in the department is extended each year by part-time professors and visiting lecturers from Turkey and abroad.



TAYLAN ACAR

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keywords

Sociology of education, immigration and assimilation, social stratification and inequality, race and ethnicity, research methods, work and employment, political sociology, comparative historical sociology

education

BA, Boğaziçi University, 2006
MA, Boğaziçi University, 2009
PhD, University of Wisconsin-Madison

shortbio

After completing his BA and MA degrees at Boğaziçi University in the Department of Political Science and International Relations, Taylan Acar received his PhD degree in Sociology at the University of Wisconsin-Madison in 2016. His research focus is on migration, sociology of education, social stratification, demography and research methods. Acar has been a visiting researcher at Italian and German universities. Since Summer 2017, Acar has been working as an Assistant Professor of Sociology at Boğaziçi University. In May 2019, he started a new project titled "Changing Family Processes in Turkey: Fertility and Marriage" examining recent changes in fertility and marriage behaviors in Turkey.



AYFER BARTU CANDAN

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keywords

Urban anthropology, anthropological theory, political anthropology, environment and society, political ecology

education

BA, Bogazici University, 1990
MA, University of California at Berkeley, 1991
PhD, University of California at Berkeley, 1997

shortbio

Ayfer Bartu Candan (Assoc. Prof. PhD) is a Faculty Member at the Sociology Department of Bogazici University, Istanbul. Her BA (1990) is simultaneously from Sociology and Psychology undergraduate programs of Bogazici University. She completed her MA and PhD studies in social anthropology at the University of California, Berkeley. She lectured at Koç University in Istanbul, University of California, Berkeley and Stanford University in USA. Her main research interests are urban anthropology, political anthropology, material culture studies, migration and gender, sociological and anthropological theory, political ecology, and space-power-gender relations. She carried out research projects on various issues such as spatial and social segregation in Istanbul, gated communities, urban transformation and social stratification; labor, gender and daily life relations of female Turkish migrants in Berlin, politics of archeology and cultural heritage in Catalhoyuk. She participated in EU projects and offered consultancy to World Bank on historical and cultural heritage issues.



Sociology

BİRAY KOLLUOĞLU

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keywords	Social memory, urban transformation, nationalism, history of social sciences, izmir, population exchange, sociology of space, urban sociology
education	BS, Department of International Relations, Middle East Technical University, 1989 MA, Department of Sociology, Lancaster University, 1993 PhD, Binghamton University, Department of Sociology, 2002
shortbio	Biray Kolluoğlu has completed her undergraduate studies in Middle East Technical University in 1989, acquired her master's degree in Sociology from Lancaster University in 1994, and her doctoral degree in Sociology from Binghamton University in 2002. Since then she is working as a faculty member at the Department of Sociology, Boğaziçi University. Kolluoğlu has spent a year in Wissenschaftskolleg, Berlin as a post-doctoral fellow in 2004. Her areas of interest include urban sociology, sociology of space and memory, and historical sociology. She has written articles and edited books on social movements in Turkey, urban transformation of the early twenty-first century Istanbul, Eastern Mediterranean port cities in the nineteenth century, Izmir's trajectory of change from the Ottoman Empire to the Turkish nation-state.
affiliated research center	Boğaziçi Üniversitesi Sosyal Politika Forumu

TUNA KUYUCU

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keywords	Economic sociology; Urban sociology; Sociology of Law; Social science methodology
education	BA, Bogazici University, 1999 MA, University of Washington, 2002 PhD, University of Washington, 2009
shortbio	Tuna Kuyucu is Assistant Professor of Sociology at Bogazici University, Istanbul. He received his PhD in sociology from the University of Washington in 2009. His research areas include economic sociology, urban sociology and the sociology of law. Dr. Kuyucu's has conducted extensive research on the political economy of urban regeneration and low-income housing in various Turkish cities, with a particular focus on the case of Istanbul. His work has been published in leading academic journals of the field of urban studies including Urban Studies, International Journal of Urban and Regional Research and Urban Affairs Review. Dr. Kuyucu spent 6 months at the University of Edinburgh as a visiting researcher in 2016. Currently Dr. Kuyucu works on the legal and institutional factors behind the failure of large-scale urban renewal programs in Istanbul. Dr. Kuyucu has received several awards for his work including a prestigious award from Kadir Has University, a fellowship from the Urban Studies Foundation as well as two teaching awards from Bogazici University.



ZAFER YENAL

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keywords

Rural Sociology, Historical Sociology, Food Studies, Development, Sociology of Consumption

education

BS, Economics, Middle East Technical University, 1989
PhD, Sociology, Binghamton University, 2000

shortbio

Zafer Yenil is a professor of sociology at Boğaziçi University since 2000. His research interests include the sociology of consumption, food studies, rural sociology, and historical sociology. His most recent book, *Bildiğimiz Tarımın Sonu* (The End of Agriculture as We Know It) (with Çağlar Keyder, published by İletişim Yayınları, 2013), focuses on agricultural transformations in Turkey since the 1980s. He is currently one of the editors of *New Perspectives on Turkey* and a member of the editorial board of *Gastronomica: The Journal of Critical Food Studies*.

10. Translation and Interpreting Studies

Boğaziçi University Department of Translation & Interpreting Studies was founded in the academic year 1983-1984. Then named the Department of Translation & Interpreting, it was the first department in Turkey to offer education at an undergraduate level in the field of translation and interpreting. The Department of Translation and Interpreting changed its name to the Department of Translation and Interpreting Studies on 20.07.2004, and became part of the Faculty of Arts & Sciences on 19.11.2004. The aim of the undergraduate program is to train translators and interpreters who possess an advanced degree of competence in Turkish and English, who are knowledgeable about the cultures and institutions bound up with both of these languages, acquainted with theoretical and critical approaches to the field of translation, and experienced in applying their knowledge. Our graduates should know at least one foreign language besides English sufficiently well as to be able to perform translation using it, and they should be familiar with issues and terminology in areas such as the social sciences, political science, economics, literature and history. In the first three years of the undergraduate program, all students take the same departmental classes, but in the fourth year they specialize and attend courses in either (written) translation or interpreting. What branch a student is able to follow is determined by his or her average grade in interpreting courses up until the end of the third year and by an interpreting exam at the end of the same year.



ÖZLEM BERK ALBACHTEN

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🌐 <https://transint.boun.edu.tr/?q=tr/full-time-faculty>

keywords

Translation history, intralingual translation, retranslation, translingual writing, women translators, Turkish literature in translation

education

BA, Istanbul University, 1991
MA, University of Warwick, 1995
PhD, University of Warwick, 1999

shortbio

Özlem Berk Albachten holds a B.A. in Italian Language and Literature (Istanbul University), an M.A. and PhD in Translation Studies (University of Warwick, U.K.). She is Professor in the Department of Translation and Interpreting Studies at Boğaziçi University, where she teaches courses on translation theory, translation history, and translation criticism. She has been a Visiting Scholar at The George Washington University and Karl-Franzens-Universität Graz. Berk Albachten's recent and forthcoming publications include articles on Turkish translation history, especially the role of translation in the Turkish modernization, intralingual translation, retranslation, and Turkish women translators. She is the author of *Translation and Westernisation in Turkey* (2004) and *Kuramlar Işığında Açıklamalı Çeviribilim Terimcesi* (Translation Terminology in Light of Theories, 2005). She co-edited *Perspectives on Retranslation. Ideology, Paratexts, Methods* (with Şehnaz Tahir Gürçağlar, Routledge, 2019) and *Studies from a Retranslation Culture: The Turkish Context* (with Şehnaz Tahir Gürçağlar, Springer, 2019).



ŞULE DEMİRKOL ERTÜRK

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keywords

Translation theories, literary translation, translation and the city, translation and national images, cultural memory, paratexts, agents of translation

education

BS, Yıldız Technical University, 1999
MA, Yıldız Technical University, 2003
PhD, Boğaziçi University, 2010

shortbio

Şule Demirkol Ertürk holds an MA degree in Translation Studies from Yıldız Technical University. She completed her PhD in Translation Studies at Boğaziçi University in 2010 with her dissertation "The City and its Translators: Istanbul Metonymized and Refracted in the Literary Narratives of Ahmet Hamdi Tanpınar and Orhan Pamuk in Turkish, English and French". Her research interests include topics such as translation and the city, translation and cultural memory, images of Istanbul in translated literature, retranslations, paratexts, and translation of Turkish literature into English and French. She is working as assistant professor of Translation Studies at Boğaziçi University. She is also an active translator of literary and scholarly texts from English and French into Turkish.



EBRU DİRİKER

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keywords Interpreting Studies, conference interpreting, sign language interpreting, user expectations, discourse analysis, professional image, community interpreting, interpreting history

education BA, Bogazici University, 1991
MA, Bogazici University, 1995
PhD, Bogazici University, 2001 Advanced Diploma in Interpreter Training, Geneva University, 2006

shortbio Ebru Diriker is Professor of Translation and Interpreting Studies at Boğaziçi University, Honorary Research Fellow at University of Manchester, Adjunct Professor at University of Ottawa and Course Director at York University. Her dissertation on conference interpreting (De-/Re-Contextualising Conference Interpreting: Interpreters in the Ivory Tower?) was published by John Benjamins in 2004. She has published extensively mainly on conference interpreting and is currently in the editorial and advisory boards of *Interpreting*, *The Interpreter and Translator Trainer* and *Parallèles*. Her research interests include conference interpreting as a social act, sociological approaches to conference interpreting, community and signed language interpreting in Turkey.

affiliated research center University of Manchester University of Ottawa York University

ENA HODJIKJ

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<https://boun.academia.edu/HodzikEna> 🌐



keywords Interpreting studies, interpreting process research, psycholinguistics, bilingual language processing and production, bilingual lexical processing, German sentence processing, Turkish sentence processing

education BA, University of Skopje, 2007
MPhil, University of Cambridge, 2009
PhD, University of Cambridge, 2013

shortbio Ena Hodzik is Assistant Professor at the Department of Translation and Interpreting Studies at Boğaziçi University in Istanbul, Turkey. She did her PhD in English and Applied Linguistics at the University of Cambridge, under the supervision of Dr. John Williams. The topic of her thesis was Predictive processes during simultaneous interpreting from German into English, her experimental methodology being based on the use of speech latency measurements. The main outcome of this research was a publication in the *Interpreting* journal. She is currently working on a research project entitled Predictive processes during simultaneous interpreting from Turkish into English, investigating the effect of transitional probabilities on predictive processing in Turkish and the use of transitional probabilities as cues to prediction during simultaneous interpreting from Turkish into English. She teaches both Applied Linguistics and Translation and Interpreting Studies courses and has supervised MA theses in both areas.

**JONATHAN ROSS**

jonathan.ross@boun.edu.tr ✉

http://www.transint.boun.edu.tr/sites/default/files/CV_6.pdf 🌐**keywords**

Telephone Interpreting, Community Interpreting, Public Service Interpreting, Informal Interpreting, Healthcare Interpreting, Audiovisual Translation, Literary Translation, German-Jewish Literature

education

MA, University of Edinburgh, 1992
MPhil, King's College, University of London, 1996
PhD, King's College, University of London 2002

shortbio

Jonathan Ross is an assistant professor in the Department of Translation and Interpreting Studies at Boğaziçi University, where he teaches a range of practical and research-oriented courses and supervises postgraduate theses. He has also taught public speaking at Yeditepe University.

Although Dr. Ross did his doctoral research on German-Jewish Literature in the German Democratic Republic, after moving from the UK to Turkey in 1999 he migrated to the field of Translation and Interpreting Studies and started to explore materials and issues involving the Turkish language and the context of contemporary Turkey. In leading journals including *The Translator*, *Target*, *Across Languages and Cultures* and *Çeviribilim ve Uygulamaları*, he has published research on a range of translational topics, including the translation of film titles, the translation of songs, and film remaking, but his research is now largely concerned with community interpreting.

He has conducted pioneering research on non-professional Kurdish-Turkish interpreters, on ad hoc healthcare interpreting in Eastern Anatolia and on the telephone interpreting line launched by the Turkish Ministry of Health in 2011, and he is investigating Scottish interpreters' experiences of, and attitudes to, telephone interpreting for healthcare settings. Dr. Ross organised the first ever conference on community interpreting in Turkey (2010) and is involved in a group of academics and sectoral representatives in Turkey developing professional standards and qualifications for translators and interpreters; he was chosen to head the team focussing on community interpreting.

In addition to his academic activities, Dr. Ross has produced English translations of numerous Turkish works, including eight books, two films, and several short stories and articles.

affiliated research center

Nazım Hikmet Research Center for the Arts and Culture

11. Turkish Language and Literature

Boğaziçi University's Department of Turkish Language and Literature offers undergraduate, Master's, and Ph.D. programs. The undergraduate curriculum is structured with an interdisciplinary perspective, which is rare among Turkish Language and Literature departments in Turkey. The curriculum of literature courses consists of courses in basic language skills, Classical Ottoman and Modern Turkish literature courses, Turkish language and linguistics courses, and courses on literary theory. Although the Master's program is a joint program in classical and modern literatures, students may decide to specialize in one of them and write their thesis accordingly. The Department of Turkish Language and Literature offers only one degree, but it offers Ph.D. programs in two fields of specialization: Classical (Old) Turkish Literature and Modern (New) Turkish Literature. The term "Classical" covers the period between the 13th and 19th centuries, and the term "Modern" means the period beginning in the 19th century.

In addition to programs on Turkish Literature, the department offers Turkish Language courses for foreigners as well as Turkish Literature courses in English translation for those international students of the university who do not speak Turkish.

The academic backgrounds and interests of the department's teaching staff reflect the interdisciplinary nature of the curriculum. The department has professors with various backgrounds, including Ph.D.'s in Turkish Literature, Comparative Literature, History, Linguistics, and History of Art. Likewise, the faculty's research is grounded in diverse fields in addition to standard Turkish Literature studies; these include linguistics, genre theory, postcolonial theory and literatures, mythology, art history and art philosophy, gender and sexuality in literature, travel writing, mysticism and Sufi literature, Chagatay literature, translational works, etc.

With the distinct undergraduate curriculum in Turkish Literature and the opportunity to have a double major with the Departments of History and of Western Languages and Literature, the Department of Turkish Language and Literature aims to give its students and graduates a critical approach combined with an understanding of historical and contemporary issues in the field of literature, with which they may either specialize in literature or, depending on their interests, change to other areas of studies such as sociology, translation studies, or history. Our students have been applying the basic skills and competencies that they acquire in our department in a wide range of fields upon graduation, from academia to research institutes and from school teaching to journalism, as well as working in the fields of printing and publishing as editors and sometimes as writers.

The department devotes a good amount of energy to organizing national and international conferences, most of which result in the rewriting of articles for publication in edited books.

The academic staff of our department works actively in different commissions and research centers of the university. Of these, the Nazım Hikmet Kültür ve Sanat Araştırma Merkezi is particularly noteworthy. In addition to our permanent faculty, we try to invite part-time professors and visiting lecturers in order to extend the range of courses we offer. The ERASMUS and Exchange programs help our students and staff keep their international academic network active.



OLCAY AKYILDIZ

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keywords

Modern Turkish Literature, literary theories, postcolonial theories, orientalism, occidentalism, modern turkish poetry, travel writing, gender and sexuality in literature

education

BA, Boğaziçi University, 1993
MA Boğaziçi University, 1996
PhD, Tübingen University, 2004

shortbio

Olcay AKYILDIZ recieved her Ph.D. from the Comparative Literature Department of Tübingen University, Germany with a dissertation on Occidentalism in Turkish Literature. Since 2001 she has been teaching at the Department of Turkish Language and Literature at Boğazici University Istanbul. Her research focuses on the question of the "Other" in different cultures and literatures, Orientalism and Occidentalism in Literature, travel writing, gender and sexuality in literature, modern Turkish literature, literary theories.

affiliated research center

Boğaziçi Üniversitesi Nazım Hikmet Kültür Sanat ve Araştırma Merkezi German Orient Institut İstanbul



CEYDA ARSLAN KECHRIOTIS

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<http://www.turkishliterature.boun.edu.tr/?q=tr/faculty>

keywords

Turkish linguistics, syntax, syntactic properties of noun phrases, Turkish as a second/foreign language

education

BA, Western Languages and Literatures, Boğaziçi University, 1996
MA, Linguistics, Boğaziçi University, 1999
PhD, Linguistics, Boğaziçi University, 2006

shortbio

Ceyda Arslan Kechriotis is a linguist whose research interests are syntax, syntactic properties of Turkish noun phrases, and Turkish as a second language. She teaches Turkish linguistics to native speakers and Turkish as a second/foreign language to non-native speakers.

affiliated research center

Language Center / Dil Uygulama ve Araştırma Merkezi

**FATMA BÜYÜKKARCI YILMAZ**

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<http://www.turkishliterature.boun.edu.tr/?q=tr/faculty> 🌐**keywords**

Turkish Language and Literature, mathnawi literature, kasidas, translated works in divan literature, mecmuas and codicology

education

BS, Bogazici University, 1990
MSc, Bogazici University, 1993
PhD, Marmara University, 2001

shortbio

Fatma Büyükkarcı Yılmaz is a Professor at the Department of Turkish Language and Literature at Bogazici University. Dr. Büyükkarcı Yılmaz is a Turkolog whose scholarship and research focuses on Classical Turkish Literature (between 14-19th centuries), mathnawi literature, kasidas, translated works in divan literature, mecmuas and codicology. She began her academic career in Boğaziçi University as a research assistant, continued as instructor (1999-2005), asistant professor (2005-14), associated professor (2014-2019) at the same department. She worked as educator of In-service Training Seminar with Prof. Dr. Kut, organized by Ministry of Culture and Tourism in Süleymaniye Library (October, 2010). Both her MA Thesis and PhD. Dissertation have published by Harvard University, Department of Near Eastern Languages and Civilizations, in 1995 and 2004. She studied in the preparation of two manuscript catalogues with Prof. Dr. Günay Kut (with a group); Boğaziçi Üniversitesi, Kandilli Rasathanesi ve Deprem Araştırma Enstitüsü Yazmaları Kataloğu (2007, 2011) and İstanbul Araştırmaları Enstitüsü Yazmaları Kataloğu (2014). She is the author of Tahir Divanı [Halifezade Mehmed Tahir Efendi], a poet from 19th century (2013) and Hac Menzilnamelerinde Osmanlı Şehirleri (2018). Dr. Büyükkarcı Yılmaz has published many scholarly articles, encyclopedia entries, editorials on Classical Turkish Literature.



NAİME NUR GÜRANİ ARSLAN

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keywords

Turkish Literature, Turkish Theatre, rewriting, intertextuality , world mythology

education

BA, Boğaziçi University, 1985
MA, Boğaziçi University, 1987
PhD, Marmara University, 1993

shortbio

Nur Gürani Arslan is the professor of Modern Turkish Literature at Boğaziçi University. She focuses on rewriting, the intertextuality, works that rewrite mythology. Dr. Gürani Arslan also concentrates on Turkish theatre and have numerous articles that examine the intertextuality and mythological background of twentieth century plays. She also serves the university as the head of the Turkish Language and Literature Department since 2014. Dr. Gürani Arslan has published books: Türk Edebiyatında Amerika ve Amerikalılar (Boğaziçi Üniversitesi Yayınları, 2000), Selahattin Enis'in Romanlarında Osmanlı İmparatorluğu'nun Son Yıllarına Bir Bakış. (Dergâh Yayınları, 2003). Some of the articles she published are: "Efsaneden Günümüz Edebiyatına: Geyikler ve Lanetleri" (Geyik Kitabı, 2013), "Musicals in Nineteenth Century Ottoman Theatre" (Celebration, Entertainment and Theatre in Ottoman World, Seagull Books, 2014), "Troya Savaşının Yeniden Yazımı ve Selahattin Batu'nun Güzel Helena'sı", (Türk Edebiyatına Açılan Pencere: İnci Enginün Armağanı, 2014), "From Masnavi to Theatre: Two Stage Plays That Draw Upon Hüsn ü Aşk." (Turkish Studies International Periodical for the Languages, Literature and History of Turkish and Turkic, June 2015).



EROL KÖROĞLU

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keywords

Modern Turkish Literature, literary history, emergence of the novel in Turkish, Turkish nationalist movements, interdisciplinarity, narratology, interactions between literature and history

education

BA, Bogazici University, 1993
MA, Bogazici University, 1996
PhD, Bogazici University, 2003

shortbio

Assistant professor of modern Turkish literature at Bogazici University Turkish Language and Literature Department. He calls his field of work as "literary cultural history of 19th and 20th centuries Turkish literature." He was born in Istanbul in 1970 and obtained all his academic degrees (B.A., M.A., and Ph.D.) from Bogazici University. He also taught Turkish literature and writing/communication skills at Koç and Sabancı Universities in Istanbul. His dissertation was published both in Turkish (Türk Edebiyatı ve Birinci Dünya Savaşı (1914-1918): Propagandanın Millî Kimlik İnşasına; 2004) and in English (Ottoman Propaganda and Turkish Identity: Turkish Literature during World War I; 2007). Turkish version was reprinted two times and was awarded with the Afet İnan History Award of History Foundation in 2004. He published several articles and book chapters in English and Turkish. He also studies the emergence of the novel in Turkish, Turkish nationalist movements and narrative theory.



ZEYNEP OKTAY USLU

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keywords

The formation and historical evolution of Bektashism and Alevism, dervish piety, vernacularization, Islam in Anatolia and the Balkans in the Beglik and early Ottoman periods

education

BA, Dartmouth College, 2006
MA, Boğaziçi University, 2010
PhD, Sorbonne University, École Pratique des Hautes Études, 2017

shortbio

Zeynep Oktay graduated from Dartmouth College with a degree in Comparative Literature. She completed her MA in Classical Turkish Literature at Boğaziçi University. She obtained her PhD in Islamic Civilization at Sorbonne University École Pratique des Hautes Études in Paris, France. Her dissertation entitled "The Perfect Man in Bektashism and Alevism" focused on the earliest written texts of the Alevis, currently the second largest religious denomination in Turkey. Between 2014-2016, Zeynep worked as a research fellow on the research project "The Islamisation of Anatolia, c. 1100-1500" based at the University of St. Andrews in the UK. She currently holds the position of Assistant Professor at the Department of Turkish Language and Literature at Boğaziçi University. She is the author of an edited text with an extensive introduction on 14th century dervish literature, the *Mesnevî-i Baba Kaygusuz*, which is a revised version of her master's thesis at Boğaziçi University (published at Harvard University Department of Near Eastern Languages and Literatures, 2013). Zeynep is in the process of revising her dissertation into a monograph.

VEYSEL ÖZTÜRK

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keywords

Early Modern Turkish poetry, 19th century Turkish periodicals, Ottoman-Turkish literary modernization, Turkish short fiction, Turkish poetry

education

BS, Bogazici University, 2002
MS, Bogazici University, 2004
PhD, Bogazici University, 2010

shortbio

Dr. Veyssel Ozturk is an assistant professor in the Department of Turkish Language and Literature at Boğaziçi University, Istanbul. He received his PhD in 2010 for his dissertation entitled "The Rise of Romantic Subjectivity in Turkish Poetry".



A. ZEYNEP SABUNCU

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keywords

Classical Turkish Literature, old Turkish prose, allegory in old Turkish Literature, Turkish mystical literature

education

BS, Department of Language and Literature, Boğaziçi University, 1980
MA, Department of Turkish Language and Literature, Boğaziçi University, 1983
PhD, Department of Turkish Language and Literature, Boğaziçi University, 1989

shortbio

Zeynep Sabuncu is Associate Professor of Turkish Language and Literature at Boğaziçi University, Istanbul, Turkey. She received her BA degree from the Department of Linguistics and Literature at Boğaziçi University in 1980 and continued her graduate studies at the same university. She obtained her Ph.D. degree in Turkish Language and Literature in 1989 from Boğaziçi University with a thesis titled "An Analysis on four Sufi Menakıpnames Related to Mawlawi, Bektashi, Bayrami Orders". Since 1990, Sabuncu has been teaching numerous courses in Old Turkish literature. Her main research interests concern Sufi Literature, Old Turkish Prose and Allegory in Turkish Literature. One of her recent publications, *Mıhr ü Mah: Bir güneş ve Ay Hikayesi: İnceleme, Metin, Tıpkıbasım*, came out in 2011 in the oriental series of Harvard University, The Department of Near Eastern Languages and Literature. Another publication, *Va'di'nin Fırûz u Dil-efrûz Mesnevîsi*, also came out in 2005, published by Simurg Publishing House in Istanbul.



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keywords

Modern Turkish Literature, Novel and Short Story theories, Nationalism in literature, Literature and history, literature and space, 19th century Ottoman script journals

education

BS, Boğaziçi University, 1991
MA, Boğaziçi University, 1994
PhD, Marmara University, 1999

shortbio

Zeynep Uysal received her B.A and M.A from the Department of Turkish Language and Literature at Bogazici University. She completed her PHD degree on Modern Turkish Literature at Marmara University, with a dissertation entitled, "From the 'Hero' to the 'Intellectual': The Intellectual Identity in Halide Edip Adivar and Yakup Kadri Karaosmanoğlu's Literary Works". As a visiting scholar, she taught modern Turkish Literature and gave public lectures in the Oriental Institute at the University of Oxford between 2001-2003. She published a book entitled *Olağanüstü Masaldan Çağdaş Anlatıya: Muhayyelât-ı Aziz Efendi* [From Marvellous Tales to Modern Narratives: Aziz Efendi's Imaginations] (2006). She edited a book entitled, *Edebiyatın Omzundaki Melek: Edebiyatın Tarihle İlişkisi Üzerine Yazılar* in 2011. She has also written extensively on various issues in modern Turkish literature, including the relationship between literature and space, literature and history, literature and nationalism in leading academic journals such as *The Journal of Turkish Studies/Türklük Bilgisi Araştırmaları* (Harvard University), *Varlık*, *Doğu Batı*, *Toplum ve Bilim*, *Dragomanen*, etc. Her recent book on the leading modern Turkish writer Halit Ziya Uşaklıgil (entitled *Metruk Ev: Halit Ziya Romanında Modern Birey*) was published in 2014 by İletişim Publications. Currently she works as an associate professor at Boğaziçi University. She has been also working as a vice director in Nazım Hikmet Culture and Art Research Center since 2014.

affiliated research center

Boğaziçi University Nazım Hikmet Culture and Art Research Centre

12. Western Languages and Literatures

The Department of Western Languages and Literatures offers an undergraduate program in English Language and Literature and graduate programs in English Literature (M.A. , Ph.D.) and Critical and Cultural Studies (M.A.). The undergraduate program in English Language and Literature is designed to give students a basic understanding of literature as well as specialized courses in the field. These latter include courses covering the major genres and periods of English Literature; textual analysis and criticism constitute an important part of the course work. Students are also offered elective courses in American and comparative literatures and are required to take elective courses in linguistics, humanities, physical and social sciences.

Our department has double-major programs with Philosophy, Psychology and Turkish Language and Literature leading simultaneously to B.A. degrees in one of these four fields and English Language and Literature. Students from the Business Department may earn a B.A. degree in English Language and Literature by completing the double-major program.

In addition to the double major programs, there are three certificate programs which are also open to students from other departments at Boğaziçi University. The department conducts certificate programs in copywriting, film studies and American studies. The copywriting certificate is intended to provide students with an understanding of copywriting within the fields of media and advertising. Film studies certificate program is designed to provide students with specialized knowledge in the study of film and related forms while enhancing students' analytical skills and helping them understand the dynamic history of cinema and aesthetic issues in the field. The American Studies Certificate Program offers an interdisciplinary focus on American culture.

Our department also offers university-wide courses in the history and appreciation of arts (music, dance, painting and sculpture, film, photography and drama) as well as creative writing and language classes in ancient Greek and Latin.



AYŞE NAZ BULAMUR

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keywords	Urban theory, postcolonial theory, feminist criticism, postmodernism, and Victorian and contemporary fiction
education	BA, Boğaziçi University, 1997 MA, Yeditepe University, 2002 PhD, University of Wisconsin-Milwaukee, 2009
shortbio	Ayşe Naz Bulamur is an Associate Professor of English in the Department of Western Languages and Literatures at Boğaziçi University. She is the author of "Tales of Istanbul in Contemporary Fiction" (Edwin Mellen, 2011). Her book investigates how the novels of A. S. Byatt, Philip Glazebrook, Erendiz Atasü, Elif Şafak, Lynne Tillman, Zülfü Livaneli, Julia Kristeva, and Orhan Pamuk portray the social and political significances of Istanbul's geography at the threshold. In addition to contemporary fiction, she published on the works of eighteenth- and nineteenth-century British and American women writers: Margaret Fuller's "Women in the Nineteenth Century" (1845), Hannah Webster Foster's "The Coquette" (1797), and Elizabeth Cary's play, "The Tragedy of Mariam" (1613). She also wrote on the politics of love in the Korean-American writer Theresa Hak Kyung Cha's "Dictee" (Sungkyun Journal of East Asian Studies, 2014) and the representations of Scheherazade in Martin Amis's "The Pregnant Widow" (Clio, 2014). Her book "Victorian Murderesses" (Cambridge Scholars Publishing, 2016) investigates the politics of female violence in Thomas Hardy's "Tess of the D'Urbervilles" (1891), George Eliot's "Adam Bede" (1859), Mary Braddon's "Lady Audley's Secret" (1862), and Florence Marryat's "The Blood of the Vampire" (1897).
affiliated research center	IDEA



BAŞAK DEMİRHAN

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keywords

Victorian literature and culture, the long eighteenth century, British novel, feminism and gender theory, literature and medicine, affect theory

education

BA, Bogazici University, 2002
MA, Rice University, 2006
PhD, Rice University, 2010

shortbio

Basak Demirhan received her B.A. (2002) from Boğaziçi University, English Literature Department, her M.A. (2006) and PhD (2010) degrees from Rice University, English Department. During her graduate studies she also completed the Graduate Certificate Program in the Study of Women, Gender, and Sexualities. Since 2010 she has been working as a full-time lecturer at the Western Languages and Literatures Department at Boğaziçi University. She has published in *Metafor* and the edited collection *Trading Women, Traded Women: A Historical Scrutiny of Gendered Trading*. Her main areas of interest are the Victorian period, the long eighteenth century, feminism and gender theory, literature and medicine. She teaches courses on eighteenth-century literature, Romantics, Victorian literature, and occasionally on feminism and gender theory.



EMİNE FİŞEK

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keywords

Theatre and Performance Studies; French and Francophone Cultural Studies; Immigration, Citizenship and Human Rights; Modern Turkish Theatre

education

BA, Swarthmore College, 2003
PhD, University of California - Berkeley, 2010

shortbio

Emine Fişek holds a PhD in Performance Studies from the University of California-Berkeley and is currently Assistant Professor in the Department of Western Languages and Literatures at Boğaziçi University in Istanbul. She is the author of *Aesthetic Citizenship: Immigration and Theater in Twenty-First-Century Paris* (Northwestern University Press, 2017) and *Theatre & Community* (Red Globe Press, 2019). She has published articles in *Theatre Journal*, *Theatre Research International*, *Text and Performance Quarterly*, and *French Cultural Studies*. Prior to joining the faculty at Boğaziçi, Fişek was a Mellon Postdoctoral Fellow in the Humanities at Johns Hopkins University.



KIM FORTUNY

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keywords Eco-poetics, Ecocriticism, Animal Studies, 20th-century American Poetry

education BS, Bogazici University, 1988
MA, Portland State University, 1993
PhD, University of Iowa, 2000

shortbio Kim Fortuny is an Associate Professor of English in the Department of Western Languages and Literatures at Bogazici University. She is the author of *Elizabeth Bishop: The Art of Travel* (UP Colorado, 2003), *American Writers in Istanbul* (Syracuse UP, 2010) and *Ecocritical Crossings: Literature, Land and Animals in Turkey (and Beyond)* (forthcoming 2018). Her recent publications and research and teaching interests are in the field of eco-poetics.

ETHAN GUAGLIARDO

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www.ethanguagliardo.com 



keywords Renaissance/early modern literature and culture, intellectual history, political theory, Reformation history, political theology, secularization studies

education BA, Louisiana State University
MA, University of Notre Dame
MA, Louisiana State University
PhD, University of Notre Dame

shortbio Ethan John Guagliardo is since 2015 Assistant Professor of English Literature in the Department of Western Languages and Literatures at Bogazici University. Originally from southwestern Louisiana, he graduated with a PhD from the University of Notre Dame, where he specialized in early modern literature. He has published in such venues as *Modern Philology*, *English Literary History*, *Oxford University Press*, and most recently *Religion and Literature*.



MATTHEW GUMPERT

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keywords

Comparative literature, classical reception theory, semiotics, hermeneutics, aesthetics, catastrophe theory, theories of the sublime, visual culture studies, thing theory, mimesis, graft, contagion

education

BA, Comparative Literature, Princeton University, 1984
MA, Comparative Literature, Harvard University, 1986
PhD, Comparative Literature, Harvard University, 1992

shortbio

My work has focused on the persistence of classical culture in the post-classical literature, art and architecture, and popular culture of the West. My research interests thus fall largely within the rubric of classical reception theory. Classicism is a complex system of values, motifs and forms by which the West assigns itself a privileged past; I have tried to describe the intricacies and contradictions of that system by way of a set of related theoretical discourses: above all hermeneutics, semiotics and structuralism, and deconstruction. My contribution to the field of comparative literature may thus be viewed as an effort to reread classicism by way of contemporary critical theory; the effect is both to render the classical relevant to a modern audience, and to defamiliarize or dehistoricize our own putative modernity. This effort to theorize the classical has been carried out along three related axes: (1) Catastrophe theory: hermeneutics has encouraged me to view textual processes in catastrophic. Traditionally classical reception has been viewed as a seamless tale of sources and influences; I tend to view it in terms of graft (see my first book, *Grafting Helen*), cataclysm (see my second book, *The End of Meaning*), and contagion (see my third book, *The Accident Waiting to Happen*); (2) Aesthetics: my tendency to think in semiotic terms – sign systems operating across distinct media - has led me to think along interdisciplinary lines, so that increasingly my work has moved between literature and visual culture, especially architecture and sculpture (my next book project, entitled *Parthenogenesis*, is a study of representations, replicas, and rebuildings of the Parthenon); the principal language I rely on here is that of aesthetics and the discourse of the sublime; (3) Popular culture studies: much of my recent work constitutes an effort to explore the impact of the classical past in the domain of popular culture, whether in texts, commodities or the media.



JAMESON KISMET BELL

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keywords

Literary history, literary criticism, German studies, cultural studies, English studies, early modern period, representations and performances of the body, emblem studies, contemporary and historical media studies

education

BA, Bethel College, 2000
MA, Pennsylvania State University, 2002
PhD, Pennsylvania State University, 2011

shortbio

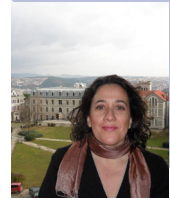
Jameson is currently Assistant Professor of Western Languages and Literatures and chair of the Critical and Cultural Studies MA program. His recent book, *Performing the Sixteenth-Century Brain* (Lit Verlag: 2018), explores the juncture of history of medicine and cultural criticism to describe how the brain was, rather than a radically new renaissance discovery, an unintended artefact that emerged through slight shifts in cultural performances. Jameson studied philosophy, German studies, and world literature at Bethel College, thereafter was awarded an Edwin Erle Sparks Fellowship at the Pennsylvania State University and a Fulbright Fellowship to conduct research in the history and philosophy of science and medicine at the ETH-Zürich. He earned his PhD in German Cultural Studies with a minor in philosophy. His most recent publications have an interdisciplinary focus and bring together the diverse domains of literary history and criticism, representations and performances of the body, emblems and multimedia works of art, as well as contemporary and historical media studies.



M. PILAR MILAGROS

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keywords

Discourse analysis; digital/multimodal communication and media; language and social constructions of gender, bodies, and other identity traits identity; rhetorical strategies; and social media and social movements

education

BA, Universidad de Lleida, 1994
MA, New Mexico State University, 2001
PhD, New Mexico State University, 2011

shortbio

In 2011, M. Pilar Milagros graduated with honors with a PhD in Rhetoric and Professional Communication from New Mexico State University in Las Cruces, NM. (U.S.). In 2012, she relocated to Istanbul to work at Koç University where she taught undergraduate and graduate courses both in visual rhetoric and in rhetoric/writing for humanities, social sciences, and science and technology. In fall 2016 she transferred to the Department of Western Languages and Linguistics at Boğaziçi University where she has taught rhetoric to literature and history students for the past two semesters. Dr. Milagros is a rhetorician whose scholarship and research focus on how people utilize language, mostly rhetorical strategies, to resist socially constructed ideas of gender, sexuality, body, among other identity traits. During the past four years, Dr. Milagros has maintained an active research agenda. She has presented at various international conferences on rhetoric, second language (L2) writing, technology and new forms of digital rhetoric, accessibility, and issues of language and representation. Dr. Milagros has also published her research in various book chapters and peer-reviewed conference proceedings, and is currently working on two journal papers. Her most recent project examines how Turkish students remember and re-live past events via reflective writing. Namely, her current project investigates rhetorical strategies students utilize to describe their experiences with rhetoric of fear strategies, and to construct themselves rhetorically as free subjects rather than victims of their circumstances.

ASLI TEKINAY

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keywords

Contemporary drama / ethnic studies /African American literature / Harold Pinter

education

BA, Bogazici University, 1985
MA, Bogazici University, 1987
PhD, Bogazici University, 1992

shortbio

Asli Tekinay is currently professor of English in the Department of Western Languages and Literatures at Bogazici University, Istanbul. She is the chair of the department and the coordinator of the American Studies Program. She received her M.A. in English from Southern Illinois University in 1987 and her PhD also in English from Bogazici University in 1992, with a dissertation entitled "Dark Romanticism." She has read many papers in international conferences both home and abroad. Her area of specialization is twentieth century African American literature with particular emphasis on the Harlem Renaissance and contemporary British and American drama. Her book entitled "Contemporary American Drama" was published by Bogazici University Press in 2001. Her book entitled "Silent Worlds: Reading Harold Pinter" also came out in 2001. Her most recent work is on evil, violence and trauma in contemporary drama. She is a member of the American Studies Association Turkey (ASAT).

The Faculty of Economics and Administrative Sciences



The Faculty of Economics and Administrative Sciences offers programs that aim to equip students with problem-solving and innovative skills. Graduates assume leading roles in private and public sectors and are expected to integrate diverse concepts in policy analysis and strategy development in an increasingly complex global arena.

The undergraduate curricula leading to the Bachelor's degree provides core knowledge in the social sciences during the first year and allows increasing specialization in the upper-division courses. The principle of flexibility is emphasized both in the choice of courses and subfields.

Students enroll in the departments of Management, Economics, or Political Science and International Relations. The departments' curricula are multi-disciplinary, emphasize teamwork projects, encourage interpersonal skills and expose students to solving real-world problems. Student may pursue double-majors and participate in exchange programs with international partner universities.

1. Economics

The Department of Economics at Boğaziçi University aims for its students to gain the capacity to look at economic phenomena systematically and from an analytical framework. Accordingly, it offers an education based on mathematical modeling and econometric methods. The program also includes courses on topics such as developmental economics, the history of economic thought and the Turkish economy, which enable students to gain a historical overview and courses such as money and banking and industrial organization, which provide information on corporate structures. While a large number of courses are supported with problem sessions, applications are held in the computer lab for some, and seminar series are organized for others.

Our faculty includes 24 full-time faculty members with PhD's from leading universities across the world, as well as around 10 part-time lecturers and 14 research assistants. The research studies conducted by the Department of Economics with the participation of our graduate and even undergraduate students contribute to the scientific literature in theoretical and applied economics. We conduct studies in a wide range of areas, including Microeconomic Theory, Macroeconomic Theory, Econometrics, Growth and Development, International Economics, Financial Economics, Public Economics, Industrial Organization, Social Policies, The History of Economic Thought, The Philosophy of Economics, Labor Economics, Environmental and Ecological Economics, Health Economics, Agricultural Economics, Gender Economics, and Urban Economics. The mainstream and heterodox schools of economic thought that offer different approaches to these fields of study are represented both in our course schedule and our areas of research (for details, please see www.econ.boun.edu.tr).

The Department of Economics accommodates two research centers that are staffed by scholars from and outside Boğaziçi University: Center for Economic Design and Center for Economics and Econometrics. Center for Economic Design (CED) (<http://www.ced.boun.edu.tr>) was established in 1994 in order to bring together various research activities in the field of economic theory that had been taking place at Boğaziçi University and in Turkey. CED is an institutional member of the Association of Southern European Economic Theorists (ASSET). Center for Economics and Econometrics (CEE) (<http://www.cee.boun.edu.tr>) was founded in 1994 to bring together applied economists, solid in modern theory and analysis, and enable them conduct policy oriented research. The research associates have hands on experience with empirical issues and large databases, including survey data.

Double Majors, Minors and Exchange Programs

Students of the Department of Economics—provided that they meet the necessary requirements—can pursue a double major in Political Science and International Relations, Business Administration, Mathematics, Sociology, History, Psychology, or Philosophy. In addition, students can also apply for a minor in Business Administration, Political Science and International Relations, Electrical-Electronic Engineering, Mechanical Engineering, or Industrial Engineering. On the Erasmus/Exchange programs front, in addition to agreements made by the University, we as the Department of Economics make agreements with the faculties and departments of European universities that have a strong Economics faculty and program. The aim is to offer our faculty and students the opportunity to spend time abroad for a semester in a different cultural and research environment.



FİKRET ADAMAN

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keywords

Ecological economics, political economy of Turkey, history of economic thought and methodology of economics

education

BA, Boğaziçi University, 1985
MA, Boğaziçi University, 1987
PhD, Manchester University, 1993

shortbio

Fikret Adaman is Professor of Economics at Boğaziçi University, Istanbul. He works on ecological economics, political economy of Turkey, history of economic thought and methodology of economics. His research has been published in, among others, Antipode, Studies in Political Economy, International Review of Sociology, International Journal of Agricultural Resources, Energy Economics, New Left Review, Environment and Behavior, Cambridge Journal of Economics. He is the co-editor of Environmentalism in Turkey (by Ashgate) and Neoliberal Turkey and its Discontents (IB Taurus).

affiliated research lab

UN SDSN Human Development Center Disaster Management Center



ORHAN AYGÜN

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🌐 http://econ.boun.edu.tr/people_detail.php?id=1158

keywords

Microeconomics, Matching theory, Market design, Mechanism design, Game theory

education

BA, Bogazici University, 2006
MA, Bogazici University, 2009
PhD, Boston College, 2014

shortbio

Orhan Aygun is an Assistant Professor at Bogazici University. Dr. Aygun is an economist whose research focuses on matching theory and mechanism design. His recent works analyze various student placement mechanisms with affirmative action such as Brazil and India. Currently he teaches microeconomics, game theory and matching theory courses.



Economics

SELÇEN ÇAKIR

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selcencakir.github.io 



keywords	Job Search, Labor Markets, Coalition Formation, Structural Estimation
education	BA, TOBB, ETU, 2008 MA, Koc University, 2011 MA, University of Virginia 2012, PhD, University of Virginia, 2018
shortbio	Selcen Çakır is an Assistant Professor of Economics at Boğaziçi University whose research interests lie in the areas of Labor Economics, Political Economy, and Econometrics.

CEYHUN ELGİN

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keywords	Macroeconomics, Growth and Development, Public Economics, Informal Economy, Turkish Economy, Panel Data
education	BA, Economics, Bogazici University, 2005 MA, Economics, University of Minnesota, 2009 PhD, Economics (with a minor in Mathematics), University of Minnesota, 2010
shortbio	Ceyhun Elgin is a Professor of Economics at the Department of Economics of Bogazici University. He also serves as the Deputy Director of the Center for Economics and Econometrics.
affiliated research center	Center for Economics and Econometrics Center for Economic Design

**BURÇAY ERUS**

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keywords Health economics, industrial organization

education BA, Bilkent University, 1998
MA, Northwestern University, 2000
PhD, Northwestern University, 2005

shortbio Prof. Erus had his PhD at Northwestern University in Economics in 2005 and started to work at Bogazici University. His work focuses on health economics with an emphasis on health expenditures and health workforce. He took part in various projects and published in academic journals. He is also working as an expert for European Union Commission's European Social Policy Network.

**REFİK ERZAN**

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🌐 www.econ.boun.edu.tr

keywords International Economic, International Trade, Economics of Integration, European Integration

education BA, Boğaziçi University, 1973
PhD, University of Stockholm, 1983

shortbio Refik Erzan is a Professor at the Department of Economics, Bogazici University. He is also the Director of the Center for Economics and Econometrics and the Editor of Bogazici Journal. Erzan has a BA from Bogazici University and a PhD from the University of Stockholm, IIES. He worked in UNCTAD and the World Bank as a Senior Economist.

affiliated research center Center for Economics and Econometrics, Bogazici University



OZAN HATIPOĞLU

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keywords

Applied Macroeconomics, Growth, State Space Models in Macroeconomics and Finance, Trade, Development

education

BA, Bogazici University
PhD, New York University, 2004

shortbio

Ozan Hatipoglu is an associate professor of economics. He has published scholarly articles and book chapters in applied macroeconomics, time series, finance, political economy of development and economic growth. He has received the Ibn-Khaldun best paper award in 2008 given by the Middle East Economic Association. He has also undertaken numerous research projects commissioned by private sector, state institutions and research councils.

K. KIVANÇ KARAMAN

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keywords

Political Economy, Monetary Economics, Economic History

education

BA, Koc University, 2000
PhD, Stanford University, 2008

shortbio

K. Kivanç Karaman is Assoc. Prof. of Economics at Bogazici University. His research lies at the intersection of economics, political science and history. He has worked on the questions of taxation, state capacity, monetary history, long-term economic development, Turkish economic and political history. His articles have been published at American Political Science Review, Journal of Monetary Economics, Journal of Economic History and Journal of Economic Behaviour and Organization.



MURAT GÜRAY KIRDAR

✉ murat.kirdar@boun.edu.tr



keywords Labor economics, economics of migration, economics of education

education BS, University of Michigan, 1998
PhD, University of Pennsylvania, 2004

shortbio Murat Guray Kirdar is a professor of economics at Bogazici University. He earned his Ph.D. from the University of Pennsylvania in 2004. He is also a fellow of IZA and Economic Research Forum. He has published in several international and national journals, including publications in leading journals such as International Economic Review, Journal of International Economics, and European Economic Review. He is also a recipient of the BAGEP award of Turkish Science Academy and TEPAV Merih Celasun award.

affiliated research center IZA Economic Research Forum



MURAT KOYUNCU

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keywords Economic Growth, Income Distribution, Development Economics, Macroeconomic Theory

education BS, IE, METU, 2002
MS, Economics, METU, 2004
MA, University of Washington, 2007
PhD, University of Washington, 2009

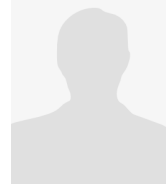
shortbio Murat Koyuncu received his Ph.D. in Economics from University of Washington, USA, in 2009. He is currently an Associate Professor of Economics at Bogazici University. His research interests include growth theory, macroeconomics, development economics, and distributional issues.

affiliated research center Center of Economics and Econometrics at BU



TOLGA UMUT KUZUBAŞ

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keywords Macroeconomics, Financial Economics, International Trade, Network Theory

education BA, Economics Bogazici University
MA, Economics Bogazici University
PhD, Economics University of Minnesota

affiliated research center Center for Economics and Econometrics

AYŞE MUMCU

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keywords Bargaining Theory, Game Theory, Matching, Political Economy

education BA, Economics, Boğaziçi University
PhD, Economics, University of Pennsylvania

shortbio Ayşe Mumcu is an economist with a research interest in applied game theory, bargaining and matching theory. She has received her BS degree in Economics at Boğaziçi University in 1989 and Ph.D degree in Economics at University of Pennsylvania in 1997. She worked in the Department of Economics at Bilkent University during 1997-1999. She has joined the Department of Economics at Boğaziçi University in 1999 and has been appointed as full professor in 2011. She has been teaching courses in the areas of microeconomics, game theory, industrial organization and theory of finance. She has also taught at PhD programs in economics at the University of Athens, Greece and Bologna University, Italy. Prof. Mumcu has served as the Vice Rector of Boğaziçi University during 2012-2016.



GÖKHAN ÖZERTAN

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keywords	Agricultural economics, technology use, biotechnology, climate change, econometrics, economics of innovation, commodity prices
education	BA, Bogazici University, Economics, 1994 PhD, Texas A&M University, Agricultural Economics, 2001
shortbio	Gökhan Özertan received his Ph.D. in Agricultural Economics from Texas A&M University in 2001. Since 2001 he has been working in the Department of Economics at Boğaziçi University where he is currently a professor of economics. He teaches undergraduate and graduate courses in microeconomics, statistics, econometrics, economics of innovation, and agricultural economics. His research interests include modeling of agricultural and environmental processes, technology use in agriculture, impacts of climate change, and commodity price movements.
affiliated research center	Bogazici University Center Center for Economics and Econometrics Bogazici University Center for Innovation and Competition Based Development Studies



BEGÜM ÖZKAYNAK

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keywords

Sustainable Development, Environmental and Ecological Economics, Political Ecology, Urban Sustainability, Environmental Conflicts

education

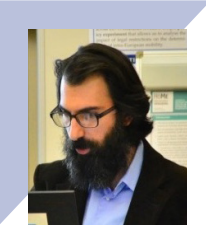
BA, Boğaziçi University, 1997
 MA, Boğaziçi University, 1999
 MPhil, The University of Manchester, 2000
 PhD, Universitat Autònoma de Barcelona, 2005

shortbio

Begüm Özkaynak holds a BA and MA in Economics from Boğaziçi University and Mphil in Economics from University of Manchester and a PhD in Ecological Economics and Environmental Management from ICTA, Universitat Autònoma de Barcelona. She is a Professor at the Department of Economics, Boğaziçi University. Her research interests include environmental and ecological economics, political ecology, sustainable development, urban sustainability, environmental conflicts and governance. Apart from book chapters and reports, her work appeared in, among others, Cambridge Journal of Economics, Capitalism Nature Socialism, Ecological Economics, Energy Policy, Futures, Geoforum, Progress in Planning, Environment and Planning B, Environmental Values, Environmental Policy & Governance, and Plos One. She is a board member of the European Society of Ecological Economics (ESEE) and was the chair of the local organising committee of the 9th International Conference of the European Society for Ecological Economics (ESEE 2011) held at Boğaziçi University in Istanbul in 2011. Recently, she has been working on projects investigating environmental conflicts and the subsequent environmental movements. In this context, Prof. Özkaynak has taken part in EJOLT (Environmental Justice Organisations, Liabilities and Trade) (2011-2015) and ENTITLE Initial Training Network (2012-2015) projects under the EU-FP7 Framework and is currently working with Academic-Activist Co-Produced Knowledge for Environmental Justice (ACKnowl-EJ) project funded by International Social Science Council.

affiliated research center

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**ORHAN TORUL**

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keywords

Macroeconomics, political economy, public economics, economic inequality, heterogeneity in macroeconomics, computational economics and applied econometrics

education

BS, Middle East Technical University, 2006
MA, Bogazici University, 2009
MA, University of Maryland, College Park, 2011
PhD, University of Maryland, College Park, 2013

shortbio

Orhan Torul is an assistant professor of economics at Boğaziçi University. He, received his B.S. degree in Business Administration from Middle East Technical University in 2006, M.A. degree in Economics from Boğaziçi University in 2009, and second M.A. and Ph.D. degrees in Economics by the Department of Economics at the University of Maryland, College Park, USA in 2013. His work focuses mainly on macroeconomics, political economy, public economics, computational economics and applied econometrics.

affiliated research center

Center for Economics and Econometrics

**LEVENT YILDIRAN**

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keywords

Microeconomics of Banking, Banking and Financial Crises, Banking Regulations, Competition and Regulation in Financial Markets, Credit Card Markets, Corporate Finance

education

BS, Bogazici University, 1990
MA, Bogazici University, 1994
PhD, University of Toulouse, 2003

affiliated research center

Center for Economic Design, Center for Economic and Econometrics, Center for Innovation and Competition Based Development Studies

**Economics****MURAT YILMAZ**

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<http://web.boun.edu.tr/muratyilmaz/> **keywords** Contract Theory, Auctions, Industrial Organization, Behavioral Economics**education** BS, Middle East Technical University, 2002
MA, Sabancı University, 2004
PhD, Boston University, 2010**shortbio**

Murat Yılmaz is an Assistant Professor of Economics at Boğaziçi University. His research topics include public good provision problems, time-inconsistent behavior and its implications, bargaining, auctions, spatial competition, fairness concerns and their implications, allocation problems with private endowments, and economics of open innovation technologies. Majority of his work is theoretical but he is also interested in experimental studies. Dr. Yılmaz has published in journals like Journal of Economic Behavior and Organization, Mathematical Social Sciences, Theory and Decision, Journal of Neuroscience, Psychology, and Economics. He has conducted a research project through Marie Curie Career Integration Grant focusing on Economics of Open Source and also another project under TUBITAK, focusing on a matching theory problem. Dr. Yılmaz has taught various courses at both undergrad and grad levels, in a number of universities, including Boston University, Northeastern University, Sabancı University and Boğaziçi University. His teaching interests include Microeconomics, Game Theory, Mathematical Economics, Industrial Organization and Behavioral Economics. He has taught Principles of Microeconomics, Principles of Macroeconomics, Intermediate Microeconomics, Game Theory, Industrial Organization, Risk and Uncertainty, and Statistics at the undergraduate level. Also, at the graduate level, he has taught Mathematical Methods for Economics and Advanced Microeconomics.

affiliated research center Centre of Economic Design at Boğaziçi University



ÜNAL ZENGİNOBUZ

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keywords

Public Goods, Local Public Goods, Taxation, Regulation, Independent Regulatory Agencies, Competition Policy, Valuation of Environmental Goods and Energy Sources

education

BS, Electrical Engineering, Boğaziçi University, 1983

MA, Economics, Bogazici University, 1987

PhD, Economics, University of Pennsylvania, 1996

shortbio

Unal Zenginobuz holds a PhD in economics from University of Pennsylvania and is a Professor of Economics at Bogazici University. Dr. Zenginobuz's research covers various theoretical and applied issues in the general field of public economics. Dr. Zenginobuz is the Director of the Center for Economic Design and an Executive Board Member of the Social Policy Forum, both at Bogazici University. He also teaches at Koç University as adjunct professor, and currently serves as the General Secretary of the Association of Southern European Economic Theorists (ASSET). He is an Associate Editor of the Journal of Public Economic Theory.

Dr. Zenginobuz has published over 50 research and scholarly articles, monographs and research reports on public good provision, local public goods, taxation and the Turkish tax system, regulation of oligopolies, independent regulatory agencies in emerging economies, Turkish competition policy, as well as on environmental economics with specific focus on (empirical) valuation of environmental goods and alternative energy sources. He is a co-author of a monograph on the Turkish tax system (Türkiye'de Vergiler, Temsilîyet ve Demokrasi (Taxation, Representation, and Democracy in Turkey), Boğaziçi University Publications, İstanbul, 2010), and a co-editor of an edited volume on environmental issues across Europe (Integrating and Articulating Environments: A Challenge for Northern and Southern Europe, Swets & Zeitlinger, 2003). His articles on theory of public goods and local public goods have been published in journals such as Journal of Economic Theory, Journal of Public Economics, Journal of Public Economic Theory, Journal of Mathematical Economics, Review of Economic Design, International Tax and Public Finance; and his articles on valuation of environmental goods and energy sources have been published in Environment and Behavior and Energy Policy.

2. Management

We in the Department of Management believe that management education has an important impact on the way businesses are led and managed in this competitive and ever changing world. As Turkey looks forward to the challenges of the 21st century, our graduates are prepared to take leading managerial positions in both the national and international market place.

Based on our institution's values and accumulated experience since 1863, the mission of our department is to excel in creating, sharing, and dissemination of knowledge through research, graduate studies, and education, and contribute to society as well.

We aim to:

- Maintain our worldwide recognition in the undergraduate education.
- Ensure that our graduates have well-developed analytical, strategic abilities, that they will be socially responsible, ethical change agents in all types of institutions they will work throughout the world.
- They will respect and welcome diversity.
- Contribute to developing sustainable successful organizations.

Our curriculum is designed to develop professional executives with effective communication and interpersonal skills who are socially responsible and constantly in search of improvement. The programs offered at both undergraduate and graduate levels are revised and updated periodically to add value to the professional careers of our candidates. A close coordination is maintained with industry and the alumni in developing courses which integrates technology, innovation, and competitiveness with human resource management, strategic management and decision making.

Faculty at the Department of Management are internationally recognized in research and are authorities in their field of specialization nationally. Commitment of our faculty to teaching and research equally ensures that the latest developments in theory and leading edge practices in industry are immediately transferred to our students. With a faculty dedicated to maintain high standards in business education and a student body who is the most able in intellectual aptitude the Department of Management is ready to maintain its leading position in business education in Turkey.

**VEDAT AKGIRAY**✉ akgirayv@boun.edu.tr🌐 www.bu.edu.tr**keywords**

Mathematical finance, corporate governance, retirement systems, "good finance"

education

BA, Boğaziçi University, 1980
MBA, Syracuse University, 1982
MA, Syracuse University, 1985
PhD, Syracuse University, 1985

shortbio

Vedat Akgiray is currently a Professor of Finance and Director of the Center for Corporate Governance (CCG) at Bogazici University in Istanbul, Turkey. He directed the doctoral program in finance from 1992 to 2009, co-founded and directed the M.S. Program in Financial Engineering from 2002 to 2009. During his academic career, he has advised more than seventy graduate students, published and presented more than one hundred academic papers. In March 2009, he was sworn in as the Chairman of the Capital Markets Board of Turkey, where he served until December 2012. He was the leader of the team designing and writing the new Capital Markets Law, which was enacted in 2012. Between 2010 and the end of his tenure at the CMB, he also served as the Chairman of the Emerging Markets Committee of IOSCO, vice-Chairman of the IOSCO Board, member of the Financial Stability Board of G20, member of the Monitoring Board of the IFRS Foundation, member of the IIRC, and member of the IOSCO Expert Group on Financial Benchmarks. In these positions, he actively participated in work streams on re-designing the international regulatory architecture in the aftermath of the global financial crisis of 2008-2010. In addition to his life-time interest in mathematical finance, his current priority in research is in financial regulation and corporate governance as an integral part of "good" regulation. This includes building models of the relation between corporate governance and informational efficiency of financial markets, aiming to demonstrate the critical contribution of "economic-value-based" corporate governance to the sustainable growth of capital markets and hence to economic development globally. Recently, he published a book titled "Good Finance" (Bristol University Press, University of Chicago Press), discussing the global damage of extreme financialization.

affiliated research center

Center for Corporate Governance Center for Applied Research in Finance



MEHMET NAFİ ARTEMEL

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keywords

Introduction to Law, Civil Law, Common Law, Biosafety Law, Intellectual Property Law

education

BA, University of Kent, 1987
BA, University of Kent, 1989
LLM, University of Kent, 1991
CPE, University of Wolverhampton, 1991
LPC, University of Hertfordshire, 1999
PhD, University of Istanbul, 2002

shortbio

Mehmet Nafi Artemel is an Assistant Professor in Law in the Department of Management at Bogazici University. Artemel completed his undergraduate and Master's law degrees as well as the Legal Practice Course in England. He obtained his doctorate from İstanbul University in comparative English and Turkish intellectual property law.

In addition to the 'Introduction to Law' course in English, which is compulsory for all undergraduate students in the Faculty of Economics and Administrative Sciences, he teaches the 'Legal Aspects of Intellectual Property Management' course as a final year elective course that he designed and which happens to be the first course that is exclusively devoted to intellectual property (IP) at Bogazici University. He is frequently appointed by the World Intellectual Property Organization (WIPO) of the United Nations to contribute to international projects as country expert and as instructor for the Training of Trainers (ToT) in the national IP Academies of other member states.

He is the author of the first comprehensive law book in Turkish on the legislation governing biosafety/ biosecurity and genetically modified organisms in Turkey from a comparative perspective with the regulatory regime in the EU. The majority of his scholarly articles on intellectual property law have been published in the UK. He was officially assigned, together with two other colleagues at Bogazici University by the Ministry of Development on behalf of the Directorate for Copyright of the Ministry of Culture and Tourism as member and rapporteur of the Special Expert Commission for the preparation and drafting of the 'Eleventh 5-year Development Plan' for Turkey (2019-2023) on Copyright and Related Rights with a special focus on the economic impact of cultural and creative industries, which has recently been published. In 2017, he received the 'Excellence in Teaching' Award at Bogazici University.



GÜLDEN ASUGMAN

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keywords

After-sales service Interpersonal communications Service marketing WOM Value

education

BA, Dept of Management Bogazici, 1985

MA, Dept of Managemnt Bogazici, 1987

PhD, Dept of Marketing Washington State Univ., 1993

shortbio

Dr. Asugman is a professor of Marketing at the dept. of Management of Bogazici University since 2003. She received her ph.D. degree in marketing from Washington State University. Her work concentrated on research in the consumer interest since the beginning of her graduate studies. Observing the unfair conditions customers and consumers have to face in different countries of the world, she pursued work in the after-sales service area. Her research appeared in J of International Marketing, J of Global Marketing and other AMA outlets. Interpersonal communications and WOM research have also been her favorite areas of research. Her work on personality characteristics influencing information search, communication and interaction patterns of consumers have appeared in international journals and presented in conferences.



ALİ COŞKUN

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keywords

Financial Accounting, Managerial Accounting, Accounting Information Management, Corporate Reporting, Sustainability and ESG Reporting, Financial Literacy, Pension Funds and Retirement Systems

education

BS, Istanbul Technical University, 1997

MBA, Bogazici University, 1999

MA, University of Texas at Dallas, 2002

PhD, University of Texas at Dallas, 2004

shortbio

Ali Coşkun is currently an Assistant Professor of Accounting and Information Management at Boğaziçi University in Istanbul, Turkey. He is also the Director of the Center for Applied Research in Finance (CARF) and Vice Director of Sustainable Development and Cleaner Production Center at the same university. During the period 2012 – 2015, he served as the Acting Director of Center for Innovation and Competition Based Development Studies at Boğaziçi University. Between the years of 2012 and 2019, he served as the independent board member at Garanti Factoring, a subsidiary of BVBA. He also served as a board member of SPP; a non-governmental organization established as the Turkish branch of EFFAS, and a board member of FO-DER; Financial Literacy and Inclusion Association of Turkey. Dr. Coşkun received his Ph.D. in Accounting and Information Management from University of Texas at Dallas. He has an M.A. degree in Accounting and Information Management from the same university and an MBA degree from Boğaziçi University. He holds a B.S. in Industrial Engineering from Istanbul Technical University.

affiliated research center

Bogazici University Center for Applied Research in Finance (CARF), Bogazici University Sustainable Development and Cleaner Production Center, Bogazici University Center for Corporate Governance (CCG), Bogazici University Center for Innovation and Competition Based Development Studies



ŞEVKET GÜNTER

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keywords

Combinations of forecasts, error measures, time-series forecasting, demand forecasting, demand management, manufacturing planning and control, sales & operations planning, inventory control, services planning, project management, critical path management, competitive bidding, mathematical optimization, dynamic control

education

BA, Colby College, 1978
MA, University of Rochester, 1980
PhD, Syracuse University, 1987

shortbio

Sevket Gunter is an Assistant Professor in the Operations Management & Information Systems Area of the Department of Management of Bogazici University. He previously taught as an Assistant Professor at West Virginia University, WV, at Temple University, PA in the USA. He holds BA degrees in Mathematics, in Economics and in Business from Colby College, ME, an MA degree in Economics from the University of Rochester, NY, and a PhD degree in Operations Management from Syracuse University, NY. Dr. Gunter was a founding partner of Teknix Inc., a Philadelphia-based global financial forecasting consulting firm, and one of the founders of Rooster Graphics, a PA-based local graphic/website design firm. His primary research interests are in the areas of forecasting, production planning and project management. He is among the top-ten most-published researchers in the world in the area of the "combinations of forecasts". His research has appeared in International Journal of Production Research, European Journal of Operational Research, International Journal of Forecasting, Journal of Forecasting, Economic and Financial Modelling, Economic and Financial Computing (plus one that was accepted for publication by Management Science, and 9 other refereed papers published in the proceedings of various international conferences). He was an invited speaker or session/track organizer in several International Symposia on Forecasting (ISF) as well as being a member of the Organizing Committee of the 16th International Symposium on Forecasting in Istanbul. Dr. Gunter is also the developer of MAPACS and OPCIL software for Operations, COMFOR, TSG and ODSOX software for forecasting, and REACTION software for event studies.



ÖZLEM HESAPÇI KARACA

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keywords Emotions, Cultural Values

education BS, Marmara University, 1998
MA, Boğaziçi University, 2001
PhD, Bocconi University, 2007

shortbio Ozlem H. Karaca is an Associate Professor of marketing at the department of management at Bogazici University, Istanbul-Turkey. She is a psychologist who studies consumer decision-making. She received her B.A. in business with a marketing concentration, and an M.A. in social and cognitive psychology. She was a visiting research scholar at the Anderson School of Management, University of California Los Angeles in 2005 and received her Ph.D. degree in marketing at Bocconi University, Milan-Italy in 2007. Ozlem teaches brand management, marketing research, strategic marketing and consumer behavior. She is also involved in executive educations in marketing for industry associations. Much of her recent research focuses on attitudinal, behavioral and cognitive responses of consumers towards marketing offers and applications. She is currently working on experiential marketing, sensory marketing and the effects of emotions in the marketplace. She works in industry projects with leading marketing research companies and her research and articles appear in many academic and professional business journals.

affiliated research center Center for Business Analytics and Customer Insights



HAYAT KABASAKAL

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keywords Organizational behavior, leadership, culture, employee attitudes, gender

education BA, Bogazici University, 1978
MBA, Bogazici University, 1979
PhD, University of Minnesota, 1984

shortbio Hayat Kabasakal is Professor of Management and Organization Studies at the Management Department of Bogazici University, Istanbul, Turkey. She received her PhD in 1984 in strategic management and organizational behavior from Carlson School of Management, University of Minnesota. In 1984 she joined the Bogazici University faculty, where she teaches management and organizational behavior courses to undergraduate, MBA, executive MBA, and doctoral students. She has served as the Associate Dean of the Faculty of Administrative Sciences, Department Chair of the Management Department and co-director of the Center for Disaster Management. She was the editor of Bogazici Journal: Review of Social, Economic and Administrative Studies and was on the editorial boards of several international and national journals focusing on management and organization studies. Her research interests center on organizational behavior, with a focus on leadership, culture, employee attitudes, and gender in organizations. Some of her research was published in the Journal of Strategic Management, Journal of Applied Psychology: An International Journal, Journal of World Business, International Journal of Social Economics, and International Journal of Human Resource Management. In addition she was the area research Director for the GLOBE study which provides insights into desired leadership behaviors across the world.



HÜSEYİN SAMİ KARACA

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keywords

Data Science, Business Analytics, Machine Learning, Database Marketing, Advertising, Pricing, Promotions, Dynamics in Consumer and Firm Behavior, Choice Models, Structural Empirical Models, Econometric Models, Analytical Models, Behavioral Economics

education

BS, Purdue University, 2005
MS, Northwestern University, 2006
PhD, Northwestern University, 2012

shortbio

Hüseyin Sami Karaca is an Assistant Professor of Marketing at the Department of Management, Bogazici University. He received his B.S. degree in Industrial Engineering with a minor in Economics from Purdue University, and his M.S. degree in Managerial Economics and Strategy from the Kellogg School of Management, Northwestern University. Dr. Karaca holds a Ph.D. degree in Marketing from the Kellogg School of Management, Northwestern University, where his studies mainly focused on behavioral economics, decision sciences, and marketing. Dr. Karaca teaches several courses at the undergraduate, M.B.A., M.A., Ph.D. and Executive levels. Before arriving at Bogazici, Dr. Karaca tutored marketing courses to Ph.D., M.B.A., and Executive M.B.A. students at Northwestern University. His teaching interests are in the areas of business research methods, marketing research, marketing strategy, pricing strategy, strategic brand management, and advertising and social media strategies. His research interests center around data science, business analytics, and machine learning applications in marketing and related fields.

affiliated research center

Center for Analytics and Insights

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keywords

Financial Markets, Derivatives, Asset Pricing, Portfolio Management, Risk Management

education

BS, University of Southern California, 2004
MS, University of Southern California, 2006
PhD, University of Southern California, 2011

shortbio

Cenk Cevat Karahan, PhD is an Assistant Professor of Finance at Department of Management and he serves as the Vice Director of Center for Applied Research in Finance (CARF) at Bogazici University. Dr. Karahan has received his B.S. degree in Industrial and Systems Engineering and MS degree in Engineering Management at University of Southern California. He subsequently earned his doctoral degree in Industrial and Systems Engineering department of the same university with a research focused on financial engineering. Dr. Karahan's research areas include quantitative finance, financial derivatives, portfolio management and asset pricing.

affiliated research center

Center for Applied Research in Finance (CARF)



NUR İREM NUHOĞLU

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keywords

Comparison of IFRS and US-GAAP, Accounting Regulations and Laws, Financial Analysis and Financial Structure of Public Firms, Impact of Audit Quality and Type of Audit Opinions on Decision Making Process, Corporate Social Responsibility Disclosure, and Effect of Equity Structure on Financial Performance

education

BA, Bogazici University, 1979
MBA, Bogazici University, 1980
PhD, Bogazici University, 1985

shortbio

She has her B.A., M.B.A., and Ph.D. from Bogazici University, and has been a visiting scholar in the University of Texas at Austin several times since 2009. She teaches Financial Accounting, Accounting for Managers, Auditing, and Graduate Seminar courses. She is an active member of the Accounting Academicians' Research and Collaboration Foundation, the Institute of Internal Auditors, and American Accounting Association. She is an independent board member in public companies and a consultant in financial control techniques. On Financial Thinking, and Leadership topics, as Instructor, she participates in Executive Education Programs of the companies: John Deere, Mercedes-Benz, Toyota, Turkcell, Metro GM, Garanti Bank, Efes Pilsen, Vestel, etc. to name a few.



NESRİN OKAY

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keywords

Risk and Volatility Modelling, Portfolio Analysis, Macroeconomics and Energy Economics, Financial Engineering

education

BA, Mathematics, Boğaziçi University, İstanbul - TURKEY, 1987
M.Phil, Economics, The City University of New York, Graduate Center, NY, USA, 1992
PhD, Economics, The City University of New York, Graduate Center, NY, USA, 1993

shortbio

Prof. Nesrin Okay obtained her B.A. in Mathematics from Bogazici University, Turkey in 1987, and M.Phil. and Ph.D. in Economics from The City University of New York in 1992 and 1993, respectively. She is currently a Professor in the Department of Management and Financial Engineering Program at Bogazici University. Her current research interests include financial engineering, financial econometrics, risk and volatility modelling, portfolio analysis, macroeconomics and energy economics.



Management

ÖZLEM ÖZ

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keywords Urban Transformation, Contested Space, Istanbul, Film Industry, Clusters

education BS, METU, 1992
MBA, METU, 1994
PhD, London School of Economics and Political Science, 1998

shortbio Özlem Öz (Ph.D. LSE) is full Professor at the Department of Management, Boğaziçi University, Turkey, where she teaches courses on globalization and organization theory. Özlem Öz was awarded by the Turkish Academy of Sciences with the "Encouragement Award in Social Sciences and Humanities" in 2005 and with the "Successful Young Scientists Award" in 2007. Professor Öz authored the books titled "The Competitive Advantage of Nations: The Case of Turkey" (Ashgate, 1999) and "Clusters and Competitive Advantage: The Turkish Experience" (Palgrave MacMillan, 2004), and many articles on geographic clusters, organization of economic activity in space, Istanbul's economic geography and its transformation, and historical geographies of the film industry. She is currently working on various aspects of urban transformation in Istanbul and the economic geography of Istanbul's film industry.

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keywords Social Networks and Media, Location-Based Marketing, Digital Marketing, Mobile Marketing, E-commerce and E-business, Customer Relationship Management

education BS, Middle East Technical University, 1985
MSc, Middle East Technical University, 1988
PhD, Middle East Technical University, 1994

shortbio Aysegul Toker is a professor of Information Systems at the Department of Management and the Dean of the Faculty of Economics and Administrative Sciences, Boğaziçi University. Her research focuses on technology adoption both by consumers and companies. She has various publications in the areas of social networks and media, location based marketing, digital marketing, mobile marketing, e-business, customer relationship management, and customer-knowledge management. Her research has appeared in journals such as Electronic Commerce Research and Applications, Journal of Business and Industrial Marketing, Information Research, and International Journal of Information Management. She has received several awards for her scholarly work. Prof. Toker is also one of the authors of "Mobile Marketing: Fundamentals and Strategy" published by McGraw Hill in 2011. In recent years, Prof. Toker has especially focused on digitalization strategies and digital marketing through her research, consulting, and speaking experience.



MUSTAFA HAYRİ TONGARLAK

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keywords Decision Modeling, Data Science, Sustainable Operations, Humanitarian Analytics.

education BS, Texas A&M University, 2005
MSc, Northwestern University, 2006
PhD, Northwestern University, 2011

shortbio Mustafa Hayri Tongarlak is an assistant professor at the Department of Management at Bogaziçi University. Prior to joining Bogaziçi University, he worked as a postdoctoral fellow at the Kellogg School of Management at Northwestern University and postdoctoral scholar at Harvard Business School. His MS and PhD degrees are in Industrial Engineering and Management Sciences from Northwestern University. His research interests include identifying contemporary pressing operational problems with high environmental and social impact. His work appeared in journals such as Manufacturing & Service Operations Management, Queueing Systems, Decision Sciences, European Journal of Operations Research and Interfaces. He was nominated for and participated to Global Colloquium on Participant-Centered Learning at Harvard Business School in 2016 as well as to Case Writing Workshop at Harvard Business School in 2017 and he received the 2015 Excellence in Teaching Award of the Faculty of Economics and Administrative Sciences at Boğaziçi University.



NESLİHAN YILMAZ

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keywords Behavioral finance, Managerial turnover, Corporate governance, Product market competition, Stock market participation, Market microstructure

education BS, Mechanical Engineering Bogazici University, 2000
MBA, Koc University, 2002
PhD, Michigan State University, 2009

shortbio Neslihan Yilmaz is Assistant Professor of Finance at the Department of Management, Bogazici University. Neslihan Yilmaz's research mainly focuses on behavioral finance. She published her work in different journals including Emerging Markets Finance and Trade, Journal of Behavioral and Experimental Finance, and Research in International Business and Finance. She serves as ad-hoc referee for Journal of International Financial Markets, Institutions & Money, Boğaziçi Journal, Review of Social, Economic and Administrative Studies, International Journal of Applied Behavioral Economics, and Istanbul Stock Exchange Review.

affiliated research center Bogazici University Center for Research in Corporate Governance and Financial Regulation, Bogazici University Center for Applied Research in Finance

3. Political Science and International Relations

The Department of Political Science and International Relations offers B.A., M.A. and Ph.D. degrees. Its academic program covers the four major subfields in the discipline: comparative politics, international relations, political theory, and Turkish politics.

The Department's main objective is to provide a balanced education committed to diversity. In addition to courses that orient them to the field, students are given the opportunity to conduct extensive research on such contemporary issues as the European Union, political economy, democratization, human rights, gender and identity politics. An expert staff including visiting professors from abroad offers a wide range of elective courses in order to allow students to specialize from the junior year onwards in areas of their choice.

Department graduates find career opportunities at home and abroad in the private as well as the public sector, particularly in organizations affiliated with the United Nations and the European Union, in the Turkish Ministry of Foreign Affairs, in universities and the media, and in private companies. As this range of career options indicates, the Department's educational philosophy is to provide students with intellectual depth and with the necessary tools to think independently, to question and criticize, engage in collaborative work and be open-minded about alternative points of view. The Department has therefore adopted an interdisciplinary perspective and a multi-dimensional approach to the accumulation of knowledge.

Faculty members, all of whom have obtained their degrees from distinguished American or European universities, are in constant interaction with colleagues and institutions in many countries of the world. Exchange programs carried out with 37 foreign universities give undergraduate students the chance to study in a different environment for a semester or more. In addition, the Department's academic ties serve as a bridge for students interested in enrolling in M.A. or Ph.D. programs in universities abroad. Each year several students receive scholarships from U.S. and European universities for graduate studies.

**MURAT AKAN**

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keywords

Secularism, Democracy, Institutions, Change, France, Turkey, Europe, Modernity, Diversity

education

BS, Industrial Engineering, Rutgers University, New Brunswick, NJ, May 1995. (single recipient of the James J. Slade Scholar award in Industrial Engineering for academic distinction and research)
PhD, Political Science, Columbia University, New York, NY, May 2005

shortbio

Murat Akan is an Assistant Professor at the Department of Political Science and International Relations. He was a research fellow in residence at the Max Planck Institute for the Study of Religious and Ethnic Diversity, Göttingen (Sept. 2012 - Sept. 2013) on a scholarship from the Scientific and Technological Research Council of Turkey (TÜBİTAK) to work on his project entitled "Politics of Multiculturalism, Religion and Diversity: A Comparison of France, Turkey and Germany." He was also a non-residential research fellow at the Amsterdam School for Social Science Research, University of Amsterdam (Jan. 2009 - Jan. 2012) working on a project and citizenship and diversity in comparative perspective. He has successfully directed four projects funded by the Boğaziçi University Research Fund. His past work has appeared in British Journal of Sociology, Interventions: International Journal of Postcolonial Studies, Studies in Comparative International Development and Anayasa Hukuku Dergisi. He has recently completed a book manuscript on secularism and institutional change in France and Turkey.

**ZUHRE AKSOY**

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keywords

Environmental politics, biodiversity conservation, international institutions, political economy of agriculture and food, biotechnology policies, intellectual property rights, traditional knowledge, climate change

education

BA, Political Science and International Relations, Bogazici University, 1995
MA, Political Science, University of Massachusetts Amherst, 1999
PhD, Political Science, University of Massachusetts Amherst, 2005

shortbio

Zuhre Aksoy is Associate Professor at the Department of Political Science and International Relations of Bogazici University. She holds a PhD from the Department of Political Science, University of Massachusetts Amherst. In 2004-2005, she was a post-doctoral fellow at the International Center for Advanced Studies (ICAS) of New York University. Her research interests include global environmental politics and political economy of agriculture and food, with a focus on agrobiodiversity conservation, multi-level linkages in the conservation of genetic resources, international institutions, biotechnology policies, intellectual property rights, traditional knowledge and climate change. She teaches courses on environment and politics, international politics, and North-South Relations. Her publications include Global Justice: From Theory to Development Action, in Journal of International Development (with Theo Papaioannaou and Helen Yanacopoulos, 2009); The Legal-Institutional Framework and Agrobiodiversity Conservation in Turkey, in Rethinking Structural Reform in Turkey: Beyond the World Bank's Strategy, edited by Barış Karapinar, Fikret Adaman and Gokhan Ozertan (2010), Nova Science Publishers; Local-Global Linkages in Environmental Governance: The Case of Crop Genetic Resources, in Global Environmental Politics (2014); The Politics of Biotechnology and the Governance of Genetically Modified Organisms in Turkey, in The Making of Neoliberal Turkey, edited by Ozbay et. al., (2016), Ashgate.

affiliated research center

Bogazici Universitesi İklim Değişikliği ve Politikaları Uygulama ve Araştırma Merkezi, İnsani Gelişme Uygulama ve Araştırma Merkezi



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keywords

Women and politics in Turkey, women politicians in Turkey, religion, politics and women in Turkey, Islam and women's rights, headscarf issue in Turkey, women and Islamist political parties in Turkey, democracy and women in Turkey, gender based violence in Turkey women's journals in Turkey, Suleyman Demirel, Tansu Çiller, TUSIAD, social mobility in Turkey, Turkish politics

education

BA, Major: Political Science and Economics, Yale University, 1978
MA, Department of Politics, Princeton University, 1980
PhD, Department of Politics, Princeton University, 1983

shortbio

Yeşim Arat is a Professor in the Department of Political Science and International Relations at Boğaziçi University, Istanbul, Turkey. Dr. Arat primarily explored questions of women's political participation and democracy in Turkey. She also worked on questions of religion and politics and political development in Turkey. Her scholarly work includes her books, Patriarchal Paradox: Women Politicians in Turkey (Fairleigh Dickinson University Press, 1989), Rethinking Islam and Liberal Democracy: Islamist Women in Turkish Politics (SUNY Press, 2006) and Violence Against Women in Turkey: a Nationwide Survey (with Ayşe Gül Altınay, Istanbul Punto, 2009), as well as numerous articles in edited volumes and professional journals including International Political Science Review, Political Psychology, Social Politics Journal of International Affairs, and Third World Quarterly and Frontiers. Her book, (with Ayşe Gül Altınay), "Türkiye'de Kadına Yönelik Şiddet", Istanbul Punto, 2007 received the Pen Duygu Asena Award in 2008, She was the Provost of Bogazici University from 2008 to 2012 and is a member of Science Academy, Turkey.

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keywords

Comparative Politics, Contentious Politics, Urban Studies, Democratization, Political Sociology, Legal Studies, Latin American Politics

education

BA, Bogazici University, 2006
PhD, Northwestern University, 2015

shortbio

Mert Arslanalp is Assistant Professor of Political Science at Bogazici University Department of Political Science and International Relations. His research and teaching are located at the intersection of Comparative Politics, Political Sociology, and Urban Studies with a particular focus on the interaction between contentious politics and democratization. His current book and article projects examine the variant development of urban citizenship within the context of contestations over globalizing megacities. Dr. Arslanalp has conducted research in Turkey, Argentina, and Mexico. His most recent article is "Mobilization in Military-Controlled Transitions: Lessons from Turkey, Brazil, and Egypt" (with Wendy Pearlman), Comparative Sociology 16 (2017), pp. 311-339.



DİLEK ÇINAR

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keywords	Migration, integration, citizenship, multiculturalism, anti-discrimination, European Union-Turkey
education	BA/MA, Vienna University of Economics and Business, 1989 Post-graduate Diploma in Political Science, Institut for Advanced Studies, Vienna Austria, 1990 PhD, University of Vienna, 1999
shortbio	Dilek Cinar is Associate Professor at the Department of Political Science and International Relations of Bogazici University in Istanbul. She has taught at the Universities of Vienna, Salzburg and Innsbruck (2003-2007) and was a guest professor of Gender Studies at the University of Vienna in the fall of 2007. She was a research fellow at the European Centre for Social Welfare Policy and Research (1996-2005) in Vienna where she co-ordinated the International Migration Programme from 1998-2000 and 2002-2005. Prior to joining the European Centre, she was a research fellow at the Department of Political Science of the Institute for Advanced Studies (1990-1995) in Vienna, Austria.



MİNE EDER

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keywords	Urban transformation, migration, poverty, exclusion, political economy of Turkey
education	BA, Political Science Boğaziçi University, 1986 MA, Political Science University of Virginia, 1989 PhD, Political Science University of Virginia, 1993
shortbio	Mine Eder is a professor of Political Science at the Department of Political Science and International Relations of Boğaziçi University. Her earlier work focused on political economy of development with particular emphasis on problems of late-industrialization, regionalism and globalization. She has published extensively on different aspects of Turkey's political economy including regional and human development, poverty, informality and exclusion. Her recent work zooms on domestic migrant workers and urban encounters between the migrants and the locals. She is particularly interested in exploring changes on the interstices of migration and urban transformation. She has also published various aspects of Istanbul's urban transformation and its side effects.
affiliated research center	Human Development Centre



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keywords

Globalization, transnational networks, democratization, decentralization, local governments, democratic innovations, citizenship, environmental change and forced migration

education

BA, Bogazici University, 1998
MA, Bogazici University, 2000
MPhil, University of Cambridge, 2001
PhD, McGill University, 2009

shortbio

Zeynep Kadirbeyoglu (MA in Economics at Boğaziçi University; MPhil in Social and Political Sciences at University of Cambridge) who is Assistant Professor at the department of Political Science and International Relations at Bogazici University in Istanbul, holds a PhD in Political Science from McGill University. Her PhD dissertation was on decentralization and democratization with a case study of irrigation management transfer in Turkey. Her research interests include globalization, transnational networks, democratization, decentralization, local governments, democratic innovations, citizenship, environmental change and forced migration. She previously worked on three international comparative projects: citizenship policies in Europe, dual citizenship and environmental change and forced migration. Her previous works have been published in Environmental Politics, Mediterranean Politics and edited volumes.

affiliated research center

Centre interdisciplinaire de recherche en développement international et société (CIRDIS), Boğaziçi Üniversitesi İklim Değişikliği ve Politikaları Uygulama ve Araştırma Merkezi, Boğaziçi Üniversitesi İnsani Gelişme Uygulama ve Araştırma Merkezi

**GÜN KUT**✉ kut@boun.edu.tr**keywords**

International relations, Diplomatic history, Turkish foreign policy, racism and discrimination

educationBA, Bogazici University, 1981
MA, State University of New York at Binghamton, 1985
PhD, State University of New York at Binghamton, 1987**shortbio**

Gün Kut started teaching courses at Bogazici University on International Relations, Foreign Policy, and Diplomatic History in 1987. Areas of research interests include diplomatic history, water issues in the Middle East, regional issues in Turkish foreign policy, issues of racism and discrimination. Contributed as a regular columnist for newspapers Turkish Times and Yeni Yüzyil (1989 – 1998). Held various administrative posts at the University, including Director of Library (1998 – 2002), Director of Bogazici University Press (2002 – 2006), Academic Coordinator of the International Office (2007 - 2008), Department Chair (2012-2013), Advisor to the Rector (2013-). Served as a Member of European Commission Against Racism and Intolerance (ECRI) in respect of Turkey between 1996-2017. Appointed as a member of the Management Board and the Executive Board of the European Union Monitoring Center (EUMC), representing the Council of Europe (2004-2007). Elected member of the United Nations Committee on the Elimination of Racial Discrimination (CERD) for 2010 – 2022 periods.

**HAKAN YILMAZ**✉ yilmazh@boun.edu.trwww.hakanyilmaz.info**keywords**

Turkish Politics since 1945 EU-Turkish Relations European Culture and Identity Culture and Politics Democratization

educationBA, Bogazici University, 1987
MA, Columbia University, 1990
MPhil, Columbia University, 1991
PhD, Columbia University, 1996**shortbio**

Dr. Hakan Yılmaz is Professor at the Department of Political Science and International Relations, Bogazici University, Istanbul. He's got his BA degree at the Economics Department of Bogazici University. He received his M.A. and Ph.D. degrees at the Political Science Department of Columbia University in New York City. He is interested in political ideologies and political culture in post-Second World War Turkey; culture and identity dimensions of European integration and EU-Turkish Relations; and external-internal linkages in the processes of democratization.

affiliated research center

Center for European Studies

The Faculty of Education



Founded in 1982, the Faculty of Education at Boğaziçi University accommodates five departments with nine different programs. Faculty of Education offers a Bachelor's degree in Guidance and Psychological Counseling in the Department of Educational Sciences; English Language Education in the Department of Foreign Language Education; Primary Science Education, Primary Mathematics Education, and Preschool Education in the Department of Primary Education, and Computer Education and Educational Technology Program in the Department of Computer Education and Educational Technology. A double major program in Guidance and Psychological Counseling and Preschool Education is also available. The Department of Secondary School Science and Mathematics Education offers a Master's degree without Thesis in Teaching Physics, Teaching Chemistry, and Teaching Mathematics in Secondary Education.

The Department of Educational Sciences offers a graduate program leading to M.A. degrees in Guidance and Psychological Counseling and in Adult Education; the Department of Foreign Language Education offers graduate programs leading to M.A. and Ph.D. degrees in English Language Education; and the Department of Secondary School Science and Mathematics Education offers graduate programs leading to M.A. and Ph.D. degrees in Secondary School Mathematics and Science Education. Graduate programs are run in accordance with the regulations of the Institute of Social Sciences and of the Institute of Science and Engineering, and the Faculty of Education works closely with the other administrative and academic units of the university.

Basic components of undergraduate programs consist of courses with a practical focus. Graduate programs focus on advanced theoretical knowledge in the field and on specialized applied research; a well-balanced emphasis on theory and application is maintained throughout the programs. Each program has a wide range of elective courses through which students receive a training program compatible with their interests and abilities. These programs, which have been developed to train students as competent teachers, educators and counselors, also cater for students' physical, sensory and social needs. Therefore, students of the Faculty of Education are provided with the opportunity to attend sports, arts and literary events managed by various student clubs. Encouraging students to attend international exchange programs is also one of the basic principles of the faculty.

Like the other departments at our university, undergraduate and graduate programs in the Faculty of Education are among the first choice of university candidates.

The faculty has a total of 99 full-time and part-time faculty members consisting of 45 full-time members, 34 instructors and 20 research assistants.

Administrative and technical work is carried out by 20 administrative and 2 technical personnel in the faculty.

1. Computer Education and Educational Technology

The Department of Computer Education and Educational Technology offers a four-year program leading to a bachelor's degree. The undergraduate program aims to enable students not only to take up teaching positions but also to prepare for professions such as educational technology, instructional design, and educational computing and programming. It provides a solid theoretical foundation in education, including current approaches in teaching and learning, and equips students with advanced technological skills. The program targets the integration of both the domains of education and technology by focusing on the analysis, design, development, implementation, and evaluation of the processes and tools for learning and instruction. Toward this goal, the undergraduate program involves educational software development, programming languages, distance learning, Internet and e-learning, principles and methods in instruction, research methods, and teaching practicum courses as well as courses offered through the departments of educational sciences and computer engineering.



OĞUZ AK

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keywords Game Design and development, coding, database management, System analyses and design, Massively Open Online Courses

education BS, Bogazici University, 2008
MA, Bogazici University, 2013
PhD, Istanbul University, 2018

shortbio I am an Instructor in Computer Education and Educational Technology department. I am graduated from the same department in undergraduate, then I studied Management Information Technology MS in Bogazici University and finally I am graduated from Informatics in Istanbul University for Phd education. I am studying on developing digital games for educational and general purposes and on Massively Open Online Courses. I am capable of using various coding languages, database management and game development platforms. In addition I have related research skills, I am studying theoretical side of gaming, educational technology and coding. I am currently giving courses in these areas. Previously I have worked as Instructional Designer and Coordinator in a distance education project in a private university for one and a half year, then I worked for an assistant for 3 years and finally I have been working as an Instructor in Bogazici University, Computer Education and Educational Technology department since 2013.

YAVUZ AKPINAR

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keywords Computer based learning, e&m-learning, ICT in science and math education, ICT education, children's learning of programming, design of interactive learning environments

education BS, Hacettepe University, 1987
MEd, Leeds University, 1991
PhD, Leeds University, 1994

shortbio Dr. Akpinar received his BSc degree in the field of Measurement and Evaluation in Education, Hacettepe University. He then completed his master, 1991, and PhD (1994) in the in the field of computer based learning at Leeds University, UK. He has been with Boğaziçi University, Faculty of Education, since 1995, presently in the Department of Computer Education and Educational Technology. His research interests and publications are in ICT education, computer based learning/training, design of interactive learning environments, authoring systems, LMSs, learning object design, use of technology for mobile, open and e-learning.

affiliated research center Educational Technology Research and Application Center



GÜNİZİ KARTAL

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keywords

Language, literacy, and technology, reading acquisition, phonological awareness, online reading comprehension, teacher education, ICT, drama in the classroom, alternative assessment

education

BA, Boğaziçi University, 1993
MA, Boğaziçi University, 1995
Ed.M, Teachers College, Columbia University, 1999
Ed.D., Teachers College, Columbia University, 2002

shortbio

Dr. Kartal is the head of the Department of Computer Education and Educational Technology at Boğaziçi University. She earned her doctorate at Teachers College, Columbia University in Language, Literacy, and Technology, where she was a recipient of the International Student Scholarship grant. She worked at IBM's T.J. Watson Research Center in New York as part of a research project on speech recognition technology for reading practice. She also taught at the University of Chicago, Columbia University, and FECS, a large non-profit organization in New York. Her research interests have been multidisciplinary since, and intersected educational technology and reading, and teacher education. She researched reading acquisition, phonological awareness in orthographically transparent languages, such as Turkish, and how technology can help in teaching and learning reading. This line of research encompassed designing digital technologies for early literacy, as well as for reading strategy development in English as a Foreign Language. She also researched the effect of language style in instructional multimedia on learning outcomes. Her second line of research focused on preservice teacher training, particularly in information and communication technologies and computer science. She is interested in designing collaborative learning environments for preservice teachers to help develop anticipatory reflective thinking and teacher identity. She developed ways of alternative assessment in a no-grades classroom. She has also been involved in community outreach volunteer work in education over the last decade.

affiliated research center

Educational Technology Center for Research & Development, Boğaziçi University



DİLER ÖNER

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keywords	Use of technology in teacher education; Teacher knowledge; Epistemic games; Computer-supported collaborative learning (CSCL)
education	BS, Marmara University, 1996 MS, University of Wisconsin-Madison, 2002 PhD, University of Wisconsin-Madison, 2006
shortbio	Diler Öner is the director of the Center for Educational Technology Research and Implementation at Bogazici University in Istanbul. She received her MSc and PhD (with a minor in learning sciences) from the University of Wisconsin-Madison, Department of Curriculum and Instruction. Her research focuses on designing and implementing computer-based tools for student and teacher learning. Dr. Öner was a Fulbright scholar at the Math Forum @ Drexel University, PA, USA in 2014.
affiliated research center	The Center for Educational Technology Research and Implementation (ET UYGAR)

MUTLU ŞEN AKBULUT

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keywords	Design of online and blended learning environments, 21st-century skills and technology integration, constructivist pedagogies for teacher education
education	BS, Boğaziçi University, 2010 PhD, The University of Georgia, 2017
shortbio	Mutlu Şen-Akbulut is an assistant professor in the Department of Computer Education and Educational Technology at Boğaziçi University. She completed her Ph.D. at the University of Georgia, USA, in the area of Learning, Design, and Technology. Her doctoral work focused on developing an instructional model for a case-based learning environment to enhance prospective teachers socioscientific issue-based teaching and learning. Her current research interests include the design and development of technology-enhanced learning environments, 21-st century skills and technology integration, and constructivist pedagogies for teacher education. She teaches several courses at Boğaziçi University, including Instructional Design (CET 341), Instructional Technologies and Material Development (CET 360), and Courseware Development(CET 472).
affiliated research center	The Center for Educational Technology Research and Implementation (ETAM, http://etam.boun.edu.tr/)

2. Educational Sciences

Department of Educational Sciences is an administrative body within the Faculty of Education. It has a four-year length undergraduate degree program in Guidance and Psychological Counseling. The program consists of 139 Turkish and 239 European credit based course load. The program follows the scientific practitioner framework. It aims to train students who may fulfill guidance and basic psychological counseling functions with young people in educational or school settings. This training has a line of coursework, the liberal arts core foundation, shared by the University in the beginning years, and a line of elective coursework from within and outside of the department. The main course of the training consists of field specific required coursework based on three foundations: (1) Theoretical training: Sociological and administrative basis of education, foundations of guidance and psychological counseling, lifespan development, theories of personality, maladjustment, group dynamics and consultation. (2) Methodological training: Research methods, statistics, program development, measurement and evaluation. (3) Applied training: Assessment in counseling, observation and interviewing techniques, and field practice. In addition, the undergraduate program has two specialized elective line of coursework; one in cultural diversity and another in community services where students take active role in social responsibility projects. A significant number of students go through Erasmus and other exchange programs and several follow advanced degree training in international institutions.

The undergraduate program of the department has another essential function for the entire Faculty of Education; providing a line of coursework as a core part of teacher training formation in education and educational psychology for all students of the faculty. In addition, it shares a double major program with Preschool Education Undergraduate Program.

Within the administrative body of the department, there are three master's programs: Guidance and Psychological Counseling Program, Adult Education Program and Curriculum and Instructional Programs and a Ph D program specializing in Adult Education. Graduates from these programs take up higher level of applied or academic positions in their respective fields.

Three master's programs, namely Guidance and Psychological Counseling Program, Adult Education Program and Curriculum and Instructional Programs and a Ph D program specializing in Adult Education are offered. Graduates from these programs take up higher level of applied or academic positions in their respective fields.

The department has a psychoeducation laboratory with auditory and visual recording systems where skill trainings that allow for observation with supervisory purposes take place. Academic staff has a wide range of research and applied community contribution interests that involve national and international professional partnership.

With the leadership of the full time faculty members, four different research and service centers were established. Student guidance and counseling center at two campuses. Educational and technology laboratory for students with special needs that extend its services the blind through digital library to the community outside of the university. Peace education center that promotes respect for all beings, social justice and dialogue in conflictual situations through seminars and research. Finally, educational policies center that analyzes and proposes educational policies, organizes educational activities and prepares related archives. In addition, faculty members take up various administrative and managerial roles at the university and serve as educational consultants.



SİBEL AKMEHMET ŞEKERLER

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**keywords**

Computer-mediated communication in counseling, counselor education and supervision, school counseling

education

BA, Boğaziçi University, 1997

MA, Boğaziçi University, 1999

EdD, University of Rochester, 2008

shortbio

Sibel Akmeahmet-Şekerler has a doctorate in Counseling and Human Development. She received her Bachelor's degree in Sociology at Boğaziçi University and her Master of Arts degree in Guidance and Psychological Counseling from the Department of Educational Sciences in the same university. During her graduate education, she worked as a research assistant in the Department of Educational Sciences. She received her doctorate at the University of Rochester, NY, in the area of Counseling and Human Development with a concentration in counseling. She has extensive experience in counseling, counselor education and counselor supervision. Dr. Akmeahmet-Şekerler worked as an instructor at the Department of Educational Sciences before she became an assistant professor in the same department in 2015. Among the courses she teaches are, Theories of Personality, Fundamentals of Guidance and Counseling, Basic Counseling Skills, Advanced Counseling Skills, Technology and Counseling, Classroom Management, and Community Involvement. In 2016, she received an award on Excellence in Teaching at the School of Education in Bogaziçi University. Her current research focuses on the counseling needs of families of students with special nutritional and health conditions.



DENİZ ALBAYRAK KAYMAK

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keywords

College counseling, Counseling values and ethics, Peer guidance, Professional development, Social development and social skills training, Emotional and behavioral problems, Health behavior among children and adolescents, Loss, Child competence, Crisis counseling, Counseling the gifted

education

BA, İstanbul University, 1982
MA, Boğaziçi University, 1985
PhD, University of Minnesota, 1993

shortbio

Dr. Albayrak-Kaymak earned her BA degree in Pedagogy from İstanbul University in 1982 and her MA degree in in Guidance and Psychological Counseling from Boğaziçi University in 1985. She worked as student assistant in 1983 and as research assistant between 1984 and 1987 and contributed to the adaptation of a test anxiety inventory on which she did her master's thesis study. She was a member of an ongoing psychodrama-training group until she started her doctoral training at the University of Minnesota where she assisted several courses as a teaching assistant and was part of several research teams as a research assistant. In 1989 summer, she worked as a direct care staff at a group home of adults with mental retardation. In 1993, she completed her PhD degree in Educational Psychology with her doctoral thesis on adolescents with emotional and behavioral disorders and joined the faculty of the Department of Education Sciences at Boğaziçi University as assistant professor. She became associate professor in 1998 in Psychological Services in Education. Since then Dr. Albayrak-Kaymak teaches several graduate and undergraduate courses for students of counseling and teacher education programs. She has taken several administrative responsibilities at both Faculty and University level including development of double major programs, financial aid office and other student services committees. She has initiated advising double major students, departmental advising students of English Preparatory School and departmental peer facilitation project. While she was its editor, she turned the Faculty Journal of Education Journal into a refereed periodical and serves in its editorial board. She was in the administrative board of the student counseling services since 1993 and she has been chairing the services since 2001. She is the vice president of İstanbul branch of Turkish Psychological Counseling and Guidance Association and the acting chair of the Department of Educational Sciences.



BENGÜ BÖRKAN

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keywords	Web based survey, measurement, statistics, Rasch
education	BS, ODTU, 1999 MA, Ohio State University, 2002 PhD, Ohio State University, 2006
shortbio	Bengü Börkan received her BS (1999) from Middle East Technical University Ankara/Turkey in Chemistry Education, and her MS (2001) and her PhD degree (2006) from the Ohio State University- Ohio/USA in Quantitative Research, Evaluation and Measurement in Education, she also holds a minor degree in Quantitative Psychology. Research Interests: Her current research interests include applied statistics, survey research, web-based survey, attitude measurement, measurement in education and program evaluation.

AYŞE CANER

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keywords	Educational Policy, Program, Policy, Curriculum Development, Implementation and Evaluation, Disaster education
education	BA, Ankara University, 1983 MA, Ankara University, 1986 MEd, Ohio University, 1990 EdD, University Pittsburg, 1997
shortbio	H. Ayşe Caner has been teaching at the Department of Educational Sciences, Bogazici University, Istanbul, Turkey since 1998. Has BA and MA degrees in Instruction and Learning, and Curriculum Development and an EdD degree (University of Pittsburg) in Administrative and Policy Studies with a specialization on Educational Policy Implementation. Holds degrees in Instruction and Learning, and Curriculum Development degrees that provide her with strong knowledge, skills, and expertise in developing, implementing and evaluating curriculum and teaching materials at all levels of education. Has practical experience in teaching and training in pre- and in-service teacher education programs. Has served as an educational consultant at several institutions and NGO's, and conducted a number of research and EU projects including the implementation of inclusion at schools in Turkey.



AYDAN GÜLERCE

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keywords

Human biosociocultural transformations , transformational metatheory, critical psychoanalysis, critical discourse analysis, intersubjectivity, family psychological assessment and psychotherapy

education

BA, Hacettepe University, 1978

MA, Hacettepe University 1980 ABD Hacettepe University, 1982

PhD, PsyD Denver University, 1987

shortbio

Aydan Gülerce received all her graduate degrees in clinical psychology first at HU, then as a Fulbright scholar, at DU, with internship at the Mount Sinai Hospital Services of CUNY. She continued her training in psychoanalysis at the New York Post-Graduate Center for Mental Health. She worked as a psychotherapist, supervisor, manager, consultant, and as instructor/practitioner in various institutions, while continuously developing her theorizing of dialogical transformations of human (psychological) knowledge-praxis. Prof. Gülerce has been teaching various undergraduate and graduate courses within the Psychological Counseling and Guidance programs at the Department of Educational Sciences since she joined BU. In the meantime, she has received several international awards and fellowships to carry her research at University of Geneva (1993), at UNCH at Chapel Hill (1994), at Rutgers University, and Columbia University (2000), Clark University and CUNY (2007), and at Aalborg University (2014). Prof. Gülerce's publications and distinctive transdisciplinary contributions in relational metatheory, critical psychoanalysis, discourse analysis, intersubjectivity, and in diverse topics of applied psychology constitute a profoundly extensive academic variety. She has been among the executive board of various international psychology and social sciences associations, and editorial board of journals, currently including Culture & Psychology, Integrative Psychological & Behavioral Sciences, International Journal of Multicultural Discourses, and Turkish Psychology Journal, and is the founding editor of the Social Practice/Psychological Theorizing. She organized various interdisciplinary and international meetings, and initiated the intranational social responsibility program, PEACE. Aydan Gülerce also has been an engaged public intellectual, with numerous critiques in major newspapers and journals, and appearances in live sociopolitical debates in national TV and radio channels.



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**keywords**

Curriculum development and evaluation, Peace education, Multicultural education, Qualitative research methods, Critical Discourse Analysis

education

BA, METU, 2005
MA, METU, 2009
PhD, Indiana University-Bloomington, 2016

shortbio

Dr. Gülistan Gürsel-Bilgin completed her BA in English Language Teaching at Middle East Technical University (METU) in 2005. She completed her MA at the same department at METU (BA ELT) in 2009. After working as an English instructor public institutions and private institutions in Turkey for six years, she went to the United States in 2011 with a Fulbright Doctoral Fellowship. During her PhD education in Curriculum and Instruction at Indiana University-Bloomington in 2016 (C & I PhD), she has taken and taught courses on developing and evaluating curriculum, teacher education, peace education, multicultural education, qualitative research methods, critical discourse analysis and foreign language education. Dr. Gürsel-Bilgin also conducted several research projects at Indiana University. Her doctoral dissertation received John Laska Outstanding Doctoral Dissertation Award, which is given to one doctoral dissertation by the American Association for Teaching and Curriculum (AATC). Dr. Gürsel-Bilgin carried out projects with researchers who have achieved great success in the field. Some of her studies have been presented at international conferences and published in refereed journals. One of these articles, Freirean dialogue and CDA for (critical) peace education, received the Highest Ranked submission of the AERA Peace Education SIG Award by the American Educational Research Association (2017). Dr. Gülistan Gürsel-Bilgin is currently a faculty member at the Department of Educational Sciences at Boğaziçi University, Istanbul, Turkey. Dr. Gürsel-Bilgin is also a Board Member of the Peace Education Center (BEUAM) of Boğaziçi University.

affiliated research center

Peace Education Center (BEUAM) of Boğaziçi University



ZEYNEP KIZILTEPE

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keywords

Teacher education, teacher motivation and demotivation, teacher stress, classroom management, social psychology of education

education

BA, Boğaziçi University, 1978
MA, Boğaziçi University, 1981
PhD, University of Exeter, 1997

shortbio

Zeynep Kızıltepe received BA and MA from Bogazici University in English Language and Literature with a Teacher's Certificate, and Psychology respectively. She got her PhD from University of Exeter, England in the field of Education. She is a full professor in Boğaziçi University, Faculty of Education, Department of Educational Sciences offering courses on educational psychology, classroom management, social psychology of education, and teaching methods. She is also one of the Advisers to the Rector. She has papers published in Turkey, Belgium, Japan, the United Kingdom, and the United States, and a course book named Öğretim in Turkey.

affiliated research center

Boğaziçi University Scientific Research Projects



Z. HANDE SART

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keywords

Neurodevelopmental disabilities, behavior problems and disorders in children, disability rights and inclusive counselling

education

BA, Educational Sciences (Program in Guidance and Psychological Counseling), Boğaziçi University, 1997
BA, Psychology, Boğaziçi University, 1997
MA, Clinical Psychology, Boğaziçi University, 1999
PhD, Applied Developmental Psychology, University of Pittsburgh, 2003

shortbio

Dr. Z. Hande Sart completed her BA in the double major program of Guidance and Psychological Counseling and Psychology, MA in Clinical Psychology at Boğaziçi University. Her master's research focused on mathematical disability and neuropsychological deficits in children with seizure disorders. Dr. Sart completed her PhD in Applied Developmental Psychology at the University of Pittsburgh studying the stability and change in behavior problems in preschool years. Dr. Sart teaches graduate and undergraduate students of counseling as well undergraduate students of teaching programs at Boğaziçi University since 2004. Her instructional focus has been in disabilities and advocacy for individuals with disabilities. Dr. Sart is the coordinator of the Disability Unit that oversees the supportive services for students with disabilities and GETEM (the Technology and Educational Laboratory for Visual Disabilities) of Boğaziçi University. Dr. Sart serves as the Member of Committee for Students with Disabilities in Higher Education at the Council of Higher Education (CHE). She worked on International Classification of Functioning, Disability and Health (ICF) at World Health Organization (WHO), Geneva, Switzerland for a period of six months.

affiliated research center

Social Political Forum



FATMA NEVRA SEGGIE

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keywords

Higher Education Policy, Higher Education Leadership and Administration, Campus Climate, Gender and Identity, Qualitative Research

education

BS, University of Istanbul, 1994
MA, University of Warwick, 1996
PhD, Michigan State University, 2007

Dr. Seggie is an associate professor at Boğaziçi University. She received her Ph.D. in the Higher, Adult, and Lifelong Education Program in the Department of Educational Administration at Michigan State University, East Lansing, USA. She received her Master of Arts in English Language Studies and Methods in the Department of English Language Teacher Education at the University of Warwick, UK and her Bachelor of Arts degree in English Language Teaching from Istanbul University, Turkey. Her research interests include higher education policy and development, gender and identity issues in higher education, organizational change and leadership in post-secondary institutions, campus climate and qualitative research in education.

shortbio

Dr. Seggie has published book chapters, encyclopedia entries, and articles in different academic journals such as Higher Education, International Journal of Leadership in Education, World Studies in Education and Comparative Education and presented at various national and international conferences including Association for Study of Higher Education, Comparative & International Education Society and American Educational Research Association among others. She is the co-editor, with Yasemin Bayyurt, of "Nitel Araştırma: Yöntem, Teknik, Analiz ve Yaklaşımları" (2015, Qualitative Research: Methods, Techniques, Analysis and Approaches), author of "Religion and the State in Turkish Universities: The Headscarf Ban" (2011), and co-editor, with Reitemetse Obakeng Mabokela, of "Islam and Higher Education in Transitional Societies" (2009). Dr. Seggie has worked as a teacher trainer, lecturer and English language instructor in various post-secondary institutions in Turkey for a number of years. She started working in the Department of Educational Sciences at the Faculty of Education in December 2007.



ÖZLEM ÜNLÜHİSARCIKLI

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keywords Apprenticeship and work-based learning, informal learning, adult education, and adult literacy

education BA, Bogazici University, 1990
MA, Bogazici University, 1993
PhD, Manchester University, 1999

shortbio Özlem Ünlühisarçıklı is an associate professor and has been teaching at the Department of Educational Sciences, Bogazici University, Istanbul, Turkey, since 1999. The focus of her work is on apprenticeship and work-based learning, informal learning, workplace learning, and adult literacy. She has publications relating to apprenticeship systems, vocational training, and adult education. Dr. Ünlühisarçıklı is involved in several EU projects including EffectVPL, BOND, COMMIT, Mobility Coach, DISTINCT, and TEACH.

affiliated research center BEPAM (Bogazici University Centre for Educational Policy Studies)



NİHAL YENİAD

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keywords Self-regulation, executive function, cognitive development, parental sensitivity, parent-child interaction, multiple birth children

education BA, Bogazici University, 2006
MA, Bogazici University, 2009
PhD, Leiden University, 2013

shortbio Nihal Yeniad is an assistant professor at the department of Educational Sciences (Guidance and Psychological Counseling Program), Bogazici University. She obtained her BA and MA degrees in Psychology and Clinical Psychology, respectively. During her PhD study at Leiden University, she worked for an international collaboration on Turkish minority families in the Netherlands, Germany and Norway. She focused on self-regulation and its associations with mental health and academic performance in immigrant children. After returning to Turkey in 2013, she worked as a clinical psychologist in private practice and taught graduate and undergraduate courses (e.g., Measurement and Evaluation, Clinical Psychology, Developmental Psychology, Child Psychopathology) as a part time lecturer. In 2015, she was a visiting researcher at the Neuroscience and Education Lab of New York University that is directed by professors Clancy Blair and Cybele Raver.. Currently she is working on tur development of self-regulation during infancy.

3. Foreign Language Education

The Foreign Language Education Department (FLED), founded in 1984, offers a four-year undergraduate program leading to a Bachelor of Arts degree in English Language Education that aims to prepare students as teachers of English in primary, secondary, and tertiary institutions. The curriculum includes courses in theoretical, methodological and pedagogical approaches to the acquisition and teaching of foreign languages. Through elective courses, students can explore additional subjects and develop their knowledge in other fields. Agreements with local public and private schools afford students an opportunity for supervised teaching practice. The department also has staff and student exchange programs with leading universities across the world.

The MA and PhD programs in English Language Education, which were introduced in 1990 and 1994, respectively, both continue with the aim of preparing graduate students for an academic career in Applied Linguistics and Foreign Language Education and also aim to enhance the professional knowledge and skills of those students who already hold teaching positions. A balance between theory and application is maintained throughout the graduate programs, as this ensures that students develop advanced, specialized knowledge in the field and become proficient in academic research skills, while they learn to apply theories to practice. Graduates of the Master's program often continue their graduate work in the field, or continue their teaching and research activities in their professional lives. Those awarded a PhD degree typically choose to pursue academic careers at universities.

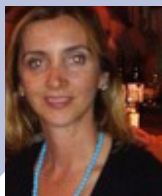
The faculty members of the Department have specializations in different fields, ranging from sociolinguistics, neurolinguistics, psycholinguistics, corpus linguistics to child and adult second language learning/teaching, technology-enhanced language teaching, teacher education, and language assessment. Their wide-ranging scientific contributions to the field include both national and international publications, as well as numerous research collaborations and projects, some of which are supported by prestigious funding institutions, such as the Boğaziçi University Scientific Research Fund (BU/BAP), the Scientific and Technological Research Council of Turkey (TÜBİTAK), and the European Union Research Commission. Many of the faculty members have been serving on the editorial boards of internationally recognized high-impact journals.

The department has several research groups involving faculty and graduate students conducting research on the sociolinguistic and psycholinguistic aspects of bilingualism and multilingualism, as well as second language acquisition and English language education and regularly organizing scientific meetings and hosting national and international conferences on campus.

The department has a psycholinguistics laboratory that currently has two state-of-the-art eye-trackers that have been used in the faculty's research projects to examine a variety of topics, such as reading span tasks as measures of working memory capacity, cognitive load of captions in second language listening, reading strategies of second language learners, and the processing of morphology in Turkish-English bilinguals. The recent addition to the laboratory is the Eyelink 1000 Plus eye-tracker through which more sensitive measures are obtained for exploring subtle morpho-syntactic and metric factors underlying monolingual and bilingual sentence processing.

The psycholinguistics laboratory allows for collaborations among graduate students and faculty in our programs and those from Cognitive Science, Linguistics and Psychology, as well as other departments in the Faculty of Education. The department has a computer laboratory and a smart classroom that are both used, not only for teaching, but also for research purposes, providing a well-equipped setting for research experiments on language assessment and technology-enhanced language teaching and learning.

The department also has a library with a wide collection of textbooks and audio-visual materials that is open to the use of both undergraduate and graduate students.



SUMRU AKCAN

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keywords

Language Teacher Education, Foreign Language Teaching Methodology, Young Learners, English as a Lingua Franca

education

BA, Boğaziçi University, 1993
MA, University of Cincinnati, OH, USA, 1997
PhD, University of Arizona, AZ, USA, 2002

shortbio

Sumru Akcan is a professor in the Department of Foreign Language Education at Boğaziçi University, Istanbul, Turkey. She teaches undergraduate and graduate courses in teacher education, young learners and foreign language teaching methodology. Her research focuses on language teacher education and language teaching methodology. She has published in English Language Teaching Journal (ELTJ), European Journal of Teacher Education, Teacher Development, Young Children and Language, Culture and Curriculum. She is the co-editor of the book, entitled "Current Perspectives on Pedagogy for English as a Lingua Franca" published by De Gruyter Mouton.



YASEMİN BAYYURT

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keywords

Sociolinguistics, politeness and address forms, English as a Lingua Franca (ELF), English as an International language (EIL), World Englishes (WE), English medium instruction (EMI), ELF/EIL-awareness in ELT, Content and Language Integrated Learning (CLIL), Metadiscourse in Academic Writing, Mobile Assisted Language Learning (MALL), Blended Learning (BL)

education

BA, Bogazici University, 1989
MA, Lancaster University, England, 1992
PhD, Lancaster University, England, 1996

shortbio

Yasemin Bayyurt is professor of Applied Linguistics in the Department of Foreign Language Education at Boğaziçi University, Turkey. She holds a PhD in Linguistics from Lancaster University, UK. Her research focuses on WE/EIL/ELF-aware pedagogy, intercultural communication, metadiscourse in academic writing and blended/mobile language learning. She has published numerous articles in refereed and indexed journals and has edited several books, including Mobile as Mainstream: Towards Future Challenges in Mobile Learning (2014) published by Springer and Current Perspectives on Pedagogy for English as a Lingua Franca (2015) published by De Gruyter.



NAZİK DİNÇTOPAL DENİZ

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keywords

Human language processing, sentence processing, prosody, morphological processing, second language processing, Turkish

education

BA, TESOL, Boğaziçi University, 2004
 MA, TESOL, Boğaziçi University, 2007
 MA, / M.Phil, Linguistics, Graduate Center, City University of New York 2009, 2011
 PhD, Linguistics, Graduate Center, City University of New York, 2014

shortbio

Nazik Dinctopal Deniz is an assistant professor in the Department of Foreign Language Education at Boğaziçi University. She received her PhD degree in linguistics from the Graduate Center, the City University of New York (CUNY). Her research focuses on first and second language sentence processing. She is specifically interested in prosodic disambiguation in sentential and morphological processing in Turkish. She also investigates syntactic, lexical and prosodic factors in sentence processing routines of first and second language speakers. Before coming to Boğaziçi, she taught at Columbia University, Queens College (CUNY), and LaGuardia Community College (CUNY). She teaches several undergraduate and graduate courses at Boğaziçi, including Introduction to Psycholinguistics, Research Methods, Advanced Research Methods, Language Awareness in English, and Second Language Learning. She also serves as an affiliated faculty member in the M.A. Program in Cognitive Science at Boğaziçi University.

affiliated research lab

Deniz Eye-tracking Lab (a.k.a. Cem Alptekin Lab)

GÜLCAN ERÇETİN

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keywords

Second language reading, working memory, eye movements, multimedia learning

education

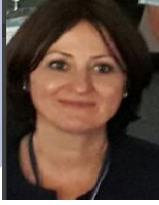
BA, Istanbul University, 1990
 MA, Bogaziçi University, 1995
 PhD, University of Arizona, 2001

shortbio

Gülcan Erçetin is professor in the Department of Foreign Language Education at Bogaziçi University. Her research focuses on second language reading in multimedia/hypermedia environments, the role of working memory in second language reading, and eye movements as indicators of reading processes. She has published in leading applied linguistics journals such as Applied Psycholinguistics, Computer Assisted Language Learning, Journal of Research in Reading, Modern Language Journal, System, and TESOL Quarterly.

affiliated research lab

Eye Tracking Laboratory



AYŞE GÜREL

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keywords

First Language attrition, second language acquisition, language processing, neurolinguistic aspects of bilingualism, language disorders

education

BA, Department of Foreign Language Education, Boğaziçi University, 1992
MA, English Language Teaching, Boğaziçi University, 1996
PhD, Department of Linguistics, McGill University, Montreal, Quebec, Canada, 2002

shortbio

Ayşe Gürel holds a Ph.D. in Linguistics from McGill University, Canada. She is a full professor at the Department of Foreign Language Education at Boğaziçi University, where she teaches courses on theories of second language acquisition, child and adult bilingualism. Her research interests include first language attrition and second language acquisition of morpho-syntactic features in English and Turkish as well as neuro- and psycho-linguistic aspects of bilingualism. She has publications in international journals and books in her fields of interest and she has been serving in the editorial board of *Second Language Research* and *Linguistic Approaches to Bilingualism*. Among her current work is an edited volume on *Second Language Acquisition of Turkish* published by John Benjamins. Previously, she had a visiting scholar position at the Department of Linguistics, the University of Illinois at Urbana-Champaign and a DAAD-funded guest professorship position hosted by the Center for Language, Variation and Migration and the Potsdam Research Institute for Multilingualism. Prof. Gürel received the Scientific and Technological Research Council of Turkey (TÜBİTAK) Incentive Award in 2008, the Turkish Academy of Science, Distinguished Young Scientists (TÜBA-GEBİP) Award in 2006, and the Boğaziçi University Foundation (BÜVAK) Award for Excellence in Research in Social Sciences in 2004.



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keywords

First Language Acquisition, Successive and Simultaneous Acquisition in Bilingual Children, Teaching English to Young Children, Reading Acquisition in Monolingual and Bilingual Children

education

BA, Hacettepe University, 1989
MA, University of Durham, UK, 1992
PhD, University of Durham, UK, 1997

shortbio

Belma Haznedar is Professor of Applied Linguistics at Boğaziçi University. Dr. Haznedar is a linguist whose expertise area focuses on early childhood bilingualism, with special reference to morphosyntactic properties of successive and simultaneous language acquisition in children. In her recent work she also investigates literacy development in monolingual and bilingual children, which has led to the development and design of reading tests in Turkish. Prof. Belma Haznedar has presented and published extensively on childhood bilingualism in international refereed journals and books and is co-editor with Dr. E. Gavruseva of Current Trends in Child Second Language Acquisition (John Benjamins, 2008), co-editor with H. Uysal of Handbook For Teaching Foreign Languages to young Learners in Primary Schools (Anı Publications, 2010, 2013), and co-editor with N. Ketrez of Acquisition of Turkish in Childhood (John Benjamins, forthcoming). Prof. Haznedar has served on the Editorial Board of Applied Psycholinguistics (SSCI), The Journal of Language and Linguistic Studies and is a reviewer for scholarly recognized international journals Language Learning, Second Language Research, Bilingualism, Language and Cognition since 1998. Prof. Haznedar is the current head of the Department of Foreign Language Education as well as the editor of the Bogazici University Journal of Education.

LEYLA MARTI

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keywords

Sociolinguistics, cross-cultural communication, politeness, indirectness, speech acts, Turkish-German bilinguals, conversation analysis, corpus linguistics

education

BA, English Language Teaching, Çukurova University, 1991
MA, English Language Teaching, Çukurova University, 1994
PhD, Linguistics and Modern English Language, Lancaster University, UK, 2000

shortbio

Leyla Marti is currently an associate professor in the Department of Foreign Language Education at Boğaziçi University, Istanbul, Turkey. Her research interests include cross-cultural communication, politeness, indirectness, speech acts, bilingualism and corpus linguistics. She has published in journals such as Journal of Pragmatics, System and co-authored article in Intercultural Pragmatics and Journal of English for Academic Purposes. The course she has taught include Sociolinguistics and Education, Cross-cultural communication in TEFL, Corpus Linguistics and Research Methods in Applied Linguistics.



ŞEBNEM YALÇIN

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keywords

Instructed Second Language Acquisition, Individual Learner differences, Language aptitude, classroom-oriented SLA research

education

BA, Bogazici University, 2002
MA, Bogazici University, 2007
PhD, University of Toronto, 2012

shortbio

Şebnem Yalçın is an assistant professor of Second Language Acquisition. She completed her Ph.D at University of Toronto in Canada, 2012. She has been working at the department of Foreign Language Education, Boğaziçi University since 2012. She has published in hi-index journals like Studies in Second Language Acquisition and Language Awareness.

affiliated research lab

Instructed Second Language Acquisition LAB, Bogazici University, Istanbul



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keywords

Second language writing, second language teacher education, teacher cognition

education

BA, Istanbul University, 2005
MA, Michigan State University, 2008
PhD, Georgia State University, 2011

shortbio

Nur Yigitoglu Aptoula is an assistant professor in the department of Foreign Language Education at Bogazici University where she teaches courses in the Foreign Language Education undergraduate program and the English Language Teaching graduate program. Her current research focuses on the interface between second language (L2) writing and L2 acquisition, genre-based approaches to teaching of L2 writing and L2 writing teacher education.

4. Primary Education

The Department of Primary Education offers four-year programs leading to a bachelor's degree in Preschool Education, Mathematics Education, and Science Education.

The Undergraduate Program in Preschool Education aims to impart knowledge and develop skills of those who will be working in various environments with children up to the age of 7 years. The aim is not simply to train preschool teachers but also to educate competent professionals who will be working with the families of young children, with social institutions related to health and education, and with the community to promote community development. The program combines theoretical training and field experience and offers a vision based on current research. There is a double-major program in Preschool Education and Guidance & Counseling.

The Mathematics Education and Science Education programs are designed to equip students with the basic knowledge, skills and competency to become effective teachers in the primary education system. The programs also envisage providing students with knowledge beyond their own subject area, enabling them to take on roles in various aspects of primary education.

All courses and course definitions of the department may be seen under the undergraduate catalogue and/or graduate catalogue pages of Bogaziçi University. The links indicated below provide the most recent information about new courses or changes in course titles, definitions or credits as accepted by the university senate.



FATMA NALAN BABÜR

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keywords

Research Interests: Reading, nature of reading disabilities, diagnosis and remediation of reading disabilities in children, children with Attention Deficit Hyperactivity Disorder (ADHD), statistical applications for educational research, and teacher education

education

BS, Ankara University, 1978
MA, University of Arizona, 1994
PhD, University of Arizona, 2003

shortbio

Nalan Babur (Ph.D., University of Arizona, USA), specialized on reading and learning disabilities and is currently offering courses on the instruction of children with learning disabilities. She is an Assistant professor in the department of Primary Education.



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keywords

Refugee, Immigrant and Minority Children; Early Intervention; At-Risk Children; Early Bilingualism; Mother-Tongue Based Multilingual Education; Family Studies in Early Childhood; Early Childhood Education Teacher Preparation

education

BS, Anadolu University, 2006
MS, State University of New York at Buffalo, 2008
PhD, State University of New York at Buffalo, 2013

shortbio

Ersoy Erdemir pursued his Master's and Ph.D. in the Department of Learning and Instruction at the State University of New York at Buffalo with a specialization in (1) early childhood bilingualism and bilingual education, and (2) refugee, immigrant and minority children. During his research-intensive interdisciplinary training, Dr. Erdemir worked as a research assistant in various grant-funded intervention and exploratory projects with scholars of expertise in early childhood education, bilingual/second language development, emergent literacy, and refugee, immigrant and minority children. He worked as a project director in Early Childhood Research Laboratory for a large-scale intervention project funded by the National Science Foundation. In addition, he taught undergraduate and graduate courses in programs of Early Childhood Education and Foreign/Second Language Education. He also worked as the director of the Educational Software Evaluation Lab for young children. Through these experiences, Dr. Erdemir has developed research and teaching expertise in early childhood education that focuses on early bilingualism/biliteracy and early intervention for refugee, immigrant and minority children. Dr. Erdemir has been working as an Assistant Professor in Early Childhood Education Program at Boğaziçi University since 2013. He is currently engaged in research projects focusing on (1) preschool intervention for Syrian refugee children in Turkey, and (2) mother-tongue based early education for language minority children.



MİNE GÖL-GÜVEN

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keywords Socio-emotional learning, children's play, positive school climate

education BS, Istanbul University, 1997
MSc, Syracuse University, 2001
PhD, Pennsylvania State University, 2006

shortbio After graduating from Istanbul University, Faculty of Art and Science, Department of Guidance and Psychological Counseling in 1997, Göl-Güven earned her master's degree from the Department of Child and Family Studies at Syracuse University and completed her Ph.D. at Penn State University, College of Education, Department of Curriculum and Instruction. Her dissertation was entitled, "Fire Bee Versus ABC: Cultural Varieties in Mother-Child Play Interactions in a Playgroup and at Home." She holds a faculty position at Boğaziçi University, Istanbul where she has served as assistant professor since 2006. She has been working with teachers to promote social-emotional skills in children at school settings. School and program evaluation and pre-service and in-service teachers' training are her interest areas. She has been conducting studies in collaboration with NGO's to support adults to develop good relationships with children, to build supportive environments with children, and to develop programs for early childhood settings. Dr. Gol-Guven has been an active member in Peace Education Application and Research Center since 2008. The projects she was the main researcher are, "Five in 5: Early Childhood Early Skills" conducted in Mardin and Istanbul supported by DPT and "Supporting 1.st year Primary School Students' Social and Emotional Development through Collaborative Play and Art Activities" supported by Director of Istanbul, Ministry of Education. She has been involved in a EU funded research "From Peaceful School to Peaceful Community - Democratic Citizenship Education (EuropeAid/133136/M/ACT/TR (CFCU/TR2009/0136.01-02)" initiatives focused on developing a culture of peace in schools to ensure well-being of children, families and school personnel. Dr. Gol-Guven has been developing educational materials for Deaf children to support their sign language (TID-Turkish Sign Language).

affiliated research center Peace Application and Research Center

5. Mathematics and Science Education

The Department of Mathematics and Science Education coordinates several teacher education programs, namely Science Education, Primary School Mathematics Education, Chemistry Education, Secondary School Mathematics Education, and Physics Education.

The department aims to produce science and mathematics educators who are able to meet the increasing demand for high quality teaching. The programs also encourage students to benefit from experiences in both formal and informal learning settings investigating the teaching of science and mathematics. With the strong focus on research, the programs prepare students to be informed consumers of educational research, to carry out action research as practitioners and as strong candidates for graduate studies. Graduates are expected to be reflective and competent educators, sensitive to the demands of their job, responsive to a developing education system and technological requirements, committed to continuing their own professional development, and ready to play a leading role in the field of science and mathematics education.

In the Mathematics and Science Education Department, there are three teaching laboratories, namely Chemistry Laboratory, Physics Laboratory, and Science Laboratory.

These teaching laboratories are used for in-service and pre-service teacher education as well as outreach activities for K-12 students. These laboratories are also used for research in science education. These laboratories have basic equipment for performing a variety of standard experiments as well as demonstrations for elementary and secondary school science, involving physics, chemistry, biology and earth science. These laboratories are equipped with a smart board, a desktop computer, and a projector. In each laboratory, up to 30 students can work simultaneously. Additionally, Science Laboratory has laptop computers and real time data gathering probes.

**EMİNE ADADAN**

emine.adadan@boun.edu.tr ✉

https://www.researchgate.net/profile/Emine_Adadan 🌐**keywords**

Conceptual Change Learning, Conceptual Understandings, Multiple Representations, Visualization in Science Education, Inquiry-Based Learning, Teacher Education, Development of Teachers Reflective Skills, Use of Electronic Portfolios in Teacher Education, Pedagogical Content Knowledge, and Metacognitive Awareness

education

BS, Marmara University, 1995
MA, The Ohio State University, 2002
PhD, The Ohio State University, 2006

shortbio

Dr. Adadan received B.S. Diploma on chemistry education from Marmara University, Turkey, in 1995. Then, she started working as a chemistry teacher at a private high school in Istanbul. She taught both middle school science (Grade 6 to 8) and high school chemistry (Grade 9 to 11) for four years in the same school. Then, Dr Adadan was awarded with a full scholarship by Turkish Ministry of Education to pursue her Master's and Ph.D. in the USA. She received her MA degree in 2002 and then the Ph.D. degree in the Fall of 2006, both of which in Science Education and from the Ohio State University, USA. In March of 2007, Dr. Adadan started working at Bogazici University as a Lecturer of Science Education, and then, she was promoted to Assistant Professor of Science Education in September of 2009. She received her tenure in 2015. Since then she has been an Associate Professor of Science Education at Bogazici University. She teaches science/chemistry methods courses, teaching practice and field experience courses at the undergraduate level, and instructional science and research methods courses at the graduate level. Her research involves students' understanding of science concepts, conceptual change learning, use of multiple representations in science instruction, and teacher education, including preservice teachers' pedagogical content knowledge development, and use of e-portfolios in teacher education for promoting preservice teachers' reflective practice. She was awarded with Excellence in Research in Social Sciences by Bogazici University Foundation in 2017. She has also published several articles in professional refereed journals such as Journal of Research in Science Teaching, Journal of Teacher Education, and International Journal of Science Education. In addition, Dr. Adadan has made numerous presentations at professional conferences and meetings around the world.

affiliated research center

National Association for Research in Science Teaching (NARST)



ENGİN ADER

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keywords

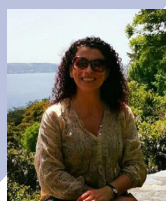
Teaching and Learning of Mathematics, Teacher Training, Implementation of Mathematics Tasks, Development of Student Metacognition, Self-regulation in Education

education

BS, Bogazici University, 1999
MS, Bogazici University, 2004
PhD, University of Nottingham, 2009

shortbio

Engin Ader is an assistant professor of mathematics education at the Mathematics and Science Education Department at Bogazici University. He has been working at Bogazici University as a faculty member since 2009. His main research areas are learning and teaching of mathematics, implementation of mathematics tasks, teacher training, metacognition and its development through mathematics teaching and self-regulation in education. His current work is focused on teachers' implementation of mathematics tasks and factors influencing their use of tasks. He was elected to act as a coordinator for European Association for Research on Learning and Instruction (EARLI) Metacognition Special Interest Group in 2015. He is also acting as an academic advisor of mathematics education for primary and middle schools, working with in-service teachers in school settings. Dr Ader is refereeing for various international and national academic journals and is regularly invited to mathematics textbook review panels by the Turkish Ministry of National Education. Dr Ader has published research articles in international and national refereed journals on topics such as teachers' promotion of student metacognition and self-regulated learning, and self-regulation of anxiety in mathematics education. He has also written book chapters on self-regulated learning, academic self-regulation and comparative analysis of statistics content in primary school mathematics programs in Turkey.



SEVİL AKAYGÜN

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keywords

Visualisations in science/chemistry education, computer-assisted chemistry education, Nanoscience and nanotechnology education, STEM education, mental models

education

BS, Bogazici University, 1993
MS, Bogazici University, 2000 and University of Northern Colorado, 2008
PhD, University of Northern Colorado, 2009

shortbio

Dr. Akaygun received her undergraduate degree in teaching chemistry from Bogazici University in 1993. Between 1993 to 2005 she taught chemistry and middle school science at two high schools in Istanbul. In 2000, she earned her M.S. in Secondary School Science and Maths Education from Bogazici University. She earned her MS in chemistry (2008) and her Ph.D in chemical education (2009) from University of Northern Colorado. She has joined the Department of Mathematics and Science and Education in 2010. Her research interests include visualisations in science/chemistry education, nanoscience education and STEM education. Dr. Akaygun has published over 30 publications including research articles and book chapters. Dr. Akaygun has been coordinating various research projects funded by national (TUBITAK) and international (European Commission) research agencies and organising teacher training workshops for science and mathematics teachers.

**FATMA ASLAN TUTAK**

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<http://fed.boun.edu.tr/default.asp?MainId=3&SubMainId=6&SubMainId2=22&Op=Detail&Id=104> **keywords**

Knowledge for Mathematics Teaching, Pedagogical Content Knowledge, Teacher Education, STEM Education

education

Integrated BS & MS, Bogazici University, 2004
PhD, University of Florida, 2009

shortbio

Fatma Aslan-Tutak has been working as an assistant professor in mathematics education at the department of Secondary School Science and Mathematics Education, Bogazici University since 2010. Dr. Aslan-Tutak's research interests are mainly teacher education in mathematics education and mathematics teachers' content knowledge. She has been working with teachers and preservice teachers in various projects to enhance teachers' knowledge for mathematics teaching. She worked in the Project TALL to enhance elementary school teachers' mathematics knowledge through a series of professional development. Furthermore, she led a project "An Investigation on Specialized Content Knowledge of Preservice Secondary School Mathematics Teachers" in which she developed an undergraduate mathematics content course to enhance secondary school teachers' mathematics content knowledge and examined development of preservice teachers' content knowledge. Since 2012, she has been serving as Turkish country representative for an international comparative study, FIRSTMATH. The purpose of FIRSTMATH project is to compare preparation, knowledge, practices and resources of novice elementary and mathematics teachers in more than 15 countries. In addition to Dr. Aslan-Tutak's interest in knowledge for mathematics teaching, she also has professional development and research experiences on other areas such as assessment and evaluation in science and mathematics education, curriculum development in mathematics education and STEM education.

**EMİNE ERKTİN**✉ erkтин@boun.edu.tr

keywords Math Education, Teacher Education, Stress, Anxiety and Coping in Education, Metacognition and Self Regulation

education BS, Bogazici University, 1982
MA, Bogazici University, 1989
PhD, Istanbul University, 1994

shortbio Emine Erktin is a professor of Math Education at Bogazici University Faculty of Education, Department of Math and Science Education. Dr. Erktin's research focuses on the ways in which affective and self-regulatory variables influence achievement in learning mathematics and teacher education. Dr. Erktin is currently the acting dean of the Faculty of Education since 2014. She is also the director of the Center for Educational Policy Studies. From 2005-2011 she was the Department Chair of the Department of Primary Education. From 2006 - 2008, she served as the Dean of Student Affairs at Bogazici University. Dr. Erktin has published scholarly articles, and presented papers on topics such as math anxiety, teacher stress, metacognition and self-regulation, enhancing cognitive skills in learning mathematics and assessment. She is a member of AERA (American Educational Research Association), EARLI (European Association for Research on Learning and Instruction), ISLS (International Society of the Learning Sciences, and STAR (Stress and Anxiety Research Society) of which she is the Turkish national representative.

affiliated research center Center for Educational Policy Studies, Educational Technology Research Center

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keywords Physics Education, Pre-Service Physics Teacher Education, Gifted Physics Education, Assessment in Physics Instruction, Physics Laboratory Work

education BSc, Physics, University of Patras (Greece), 1989
PGCE, Physics Education, Institute of Education, University of London, 1996
MA, Institute of Education, University of London, 1997
PhD, Physics Education, London South Bank University, 2005

shortbio My first degree is in Physics and I am a qualified physics teacher. My teacher training took place in London and the teacher license was awarded by the English Department of Education. Over my PhD studies, I worked as a science-physics teacher in various state secondary schools in London. My research work has focused on how better to prepare pre-service physics (science) teachers to teach in the laboratory and how to help them develop good assessment methods. Another strand of research is how to prepare well qualified physics teachers to teach to gifted physics students. In my teaching, I give much importance to the learning theory developed by Vygotsky with particular emphasis on assessment for learning. Therefore, my students, who are also prospective teachers are asked to develop peer-assessment skills by being asked to assess one another's work by giving comments and feedback.



DEVİRİM GÜVEN

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keywords

Science Teacher Education, Authentic Inquiry Based Learning, Socioscientific Issues in Science Education, Technology Based Learning Environment Design

education

PhD, The Pennsylvania State University, 2006

shortbio

Devrim Guven is an Assistant Professor of Science Education in Mathematics and Science Education Department at Bogazici University, Istanbul. Dr Guven completed his undergraduate studies in the field of biology. Later, he continued his studies in the field of science education. Dr. Guven holds PhD in science education from The Pennsylvania State University. Currently, Dr Guven's teaches and supervises pre- and in-service science teachers at Bogaziçi University, Faculty of Education. His research interests include ways to improve teachers and students skills and understanding of scientific inquiry through engaging them authentic disciplinary practices and technology enhanced learning environments. Dr Guven is an experienced project director and researcher, who has completed a EU funded project on socioscientific issues in teacher education and technology based learning environment design to bring authentic seismology practices to middle school students. During 2014-2015 academic year he was a visiting fellow at Syracuse University to conduct a collaborative research on socioscientific issues in science teacher preparation.

YEŞİM İMAMOĞLU

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keywords

Mathematics Education, Teacher Education, Development of Mathematical Thinking, Learning and Teaching Mathematics Conceptually, Problem Solving, Mathematical Proof, Interdisciplinary Education

education

BS, Istanbul Technical University, 1997

MSc, Bogazici University, 2001

PhD, Bogazici University, 2010

shortbio

Dr. Yeşim İmamoğlu graduated from Istanbul Technical University, Mathematical Engineering Program in 1997. She took her Master of Science degree from Bogazici University Mathematics Program in 2001. She worked as a teaching assistant in Department of Mathematics between years 1998-2001 in Bogazici University, and between 2001- 2010 in Bilgi University. She attended the doctorate program in Department of Secondary School Science and Mathematics Education, Bogazici University, during years 2004-2010. After she took her PhD degree in 2010, she worked as a part time instructor in several universities where she gave courses on mathematics and mathematics education. Between years 2012-2015 she worked in Department of Primary Education in Maltepe University as an assistant professor. Since 2015, she has been working as an assistant professor in Bogazici University, Department of Mathematics and Science Education. Main research interests of Dr. İmamoglu include development of mathematical thinking in students, pre-service and in-service teachers, teaching and understanding mathematical proof, problem solving and incorporating the relationship of mathematics with other disciplines into mathematics education.



GÜLSEREN KARAGÖZ AKAR

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keywords Teacher education, learning and teaching of mathematical concepts, mathematics education theories

education BS, Middle East Technical University, 1996
MEd, The Pennsylvania State University, 2001
PhD, The Pennsylvania State University, 2007

shortbio Gülseren Karagöz Akar is an Associate Professor of Mathematics Education at Boğaziçi University. She has graduated from the Middle East Technical University (METU) in 1996; has earned master degree from the Pennsylvania State University in 2001; and, has earned doctor of philosophy degree from the Pennsylvania State University in 2007 in the area of Mathematics Education. She has also worked as a full time faculty member at the College of Education at the same university between 2007 and 2008. Dr. Karagöz Akar has published scholar articles on teacher knowledge and teacher education; and, the learning and teaching of mathematical concepts. She is the author of several book chapters on different topics such as ratio, rational numbers, triangles and quantitative reasoning. She has been involved in several research studies founded by Boğaziçi University and TÜBİTAK as principal investigator. Her research interest areas include teacher education, theories of mathematics education and their development; and, the learning and teaching of mathematics conceptually.

affiliated research center Mathematics Education Research Group-Turkey National Council of Teachers of Mathematics-USA Association of Mathematics Teacher Educators-USA



EBRU KAYA

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keywords Nature of Science, Argumentation in Science Education, Philosophy of Chemistry, Misconceptions and Conceptual Change in Chemistry Education

education Integrated BS & MS, Dokuz Eylül University, 2003
PhD, Middle East Technical University, 2011

shortbio Ebru Kaya is a Professor of science education at Bogazici University, Turkey. She is also an Honorary Research Fellow in the Department of Education at University of Oxford, UK. Dr. Kaya received her PhD from Middle East Technical University, Turkey in 2011. She was a visiting scholar at University of Bristol, UK in 2009 and at National Taiwan Normal University, Taiwan in 2016 and 2017. Her research interests include argumentation and nature of science in science education. Dr. Kaya is the recipient of the Young Scientist Award from The Science Academy in Turkey in 2015; the Outstanding Paper Award from East-Asian Association for Science Education (EASE) in Japan in 2016; and the Young Scientist Award from TÜBİTAK (Turkish Scientific and Technological Research Council) in 2017. Dr. Kaya has participated in research projects funded by TÜBİTAK and NARST, and conducted professional development workshops for science teachers in Turkey, Rwanda, Lebanon, and Taiwan. She served as a board member in Turkish Science Education and Research Association from 2012 to 2014, and a committee member in NARST Outstanding Paper Award Committee from 2013 to 2015. She currently serves as the Nature of Science Strand Co-coordinator for ESERA. Dr. Kaya is a reviewer for numerous journals including International Journal of Science Education and Science & Education. Dr. Kaya has been the Principal Investigator of the projects entitled "Nature of Science in Science Teacher Education: A Comparative Research and Development Project", "University Students' Understanding of Reconceptualized Family Resemblance Approach to Nature of Science: A Case Study", and "Integration of Reconceptualized Family Resemblance Approach to Nature of Science in 5th Grade Science Content" funded by Bogazici University Research Fund. She is the co-author of the book "Transforming Teacher Education through the Epistemic Core of Chemistry: Empirical Evidence and Practical Strategies" published by Springer.



FATİH ÇAĞLAYAN MERCAN

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keywords Personal epistemology, nature of science, large scale assessments, curricular change

education BS, Marmara University, 1998
MA, The Ohio State University, 2001
PhD, The Ohio State University, 2007

shortbio Fatih Çağlayan Mercan is an associate professor of physics education at Boğaziçi University. Dr. Mercan is a science educator whose scholarship and research focuses on personal epistemology, large scale educational assessments and the impacts of curricular change. Dr. Mercan holds a faculty appointment at the Faculty of Education at Boğaziçi University. Dr. Mercan has published many scholarly articles and research reports on topics such as argumentation about socioscientific issues, in-service training of science teachers, teachers' responses to educational reform, and personal epistemology. Dr. Mercan teaches teaching methods for science and mathematics, research methods, and curriculum courses. Dr. Mercan also teaches training the trainer programs at the university lifelong learning center. Dr. Mercan has worked as a researcher in two European Union Comenius and Erasmus Plus projects.

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keywords Science education, evidence based science teaching, nature of science, teacher training, socioscientific issues

education BS, Boğaziçi Üniversitesi, 1996
MA, Boğaziçi Üniversitesi, 2001
PhD, Marmara Üniversitesi, 2006

shortbio Dr. Mugaloglu is an associate professor of Science Education at Boğaziçi University. She has been teaching method courses, teaching practice, and field experience courses to preservice science teachers since 2001. She was a visiting fellow at University of Reading in 2006, at University of Bristol in 2010 and at Copenhagen University in 2016. She participated in EU and TUBITAK funded projects. Dr. Muğaloğlu has published over 25 publications including research articles and book chapters. Her research interest includes science teacher training especially evidence-based science teaching, teaching nature of science, and socioscientific issues.



SERKAN ÖZEL

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keywords

STEM Education, Mathematics Education, Technology Integration, Student Understanding of Mathematical Concepts

education

BS&MS, Bogazici University, 2004
PhD, Texas A&M University, 2009

shortbio

Serkan Ozel is an associate professor in the Department of Mathematics and Science Education at Bogazici University. He holds BS & MS in Mathematics Education at Bogazici University, Turkey and a Ph.D. in Educational Psychology with a specialization in Educational Technology from Texas A&M University, College Station, Texas, USA. His research focuses on the practice of mathematics instruction, technology integration, and STEM education. He is an expert on STEM education and educational technology, with a particular interest in how technology and mathematics skills combine to equip teachers with the skills and knowledge needed for responsible practice. He serves on several committees at Bogazici University and on editorial boards of several journals. Ozel has been elected as a founding member of Turkish Mathematics Educators Association. Dr. Ozel has been serving as educational consultant or academic advisor on projects for leading Turkish companies such as Tüpraş, TUSAŞ, and Turkcell.

affiliated research center

Bogazici University Applied Tourism Administration and Research Center (ATARC) Bogazici University
The Center for Educational Technology



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keywords

Personal Epistemology, Metacognition, Conceptual Learning, Inquiry-based Teaching, and Structural Equation Modeling

education

Integrated BS & MS, Gazi University, 2004
PhD, Middle East Technical University, 2013

shortbio

Sevda Yerdelen Damar worked as a research assistant at Middle East Technical University in the Department of Secondary Science and Mathematics Education for nearly nine years. During her doctoral education, she went to the US as a visiting scholar. She spent one and half year at the University of Maryland as a member of the Physics Education of Research Group. After she received her PhD degree, she was assigned to Yuzuncu Yil University. She served as a research assistant for one year and then, as an assistant professor from 2014 to 2017. In 2015, she was assigned to Middle East Technical University as an assistant professor for one-year postdoctoral research project. She joined the Department of Mathematics and Science Education at Bogazici University in May 2017. She has several publications on personal epistemology, metacognition, conceptual learning and inquiry-based teaching.

The Faculty of Engineering



Faculty of Engineering mission;

- To educate individuals towards leadership and innovation in industry, government and educational institutions;
- To expand the engineering knowledge base through original research;
- To contribute through professional services towards more prosperous and sustainable society.

Philosophy of Engineering education;

- To emphasize the fundamental theories together with the latest developments in science and technology,
- To provide students with a formation enabling them to think, design and solve the problems that they will encounter during their careers, with an awareness of social, economic, ethical and environmental issues,
- To offer students a wide selection of elective courses in both technical and non-technical areas,
- To improve students' self-learning skills,
- To encourage university-society-industry-state cooperation,
- To promote extracurricular activities compatible with the aims of the student clubs of the university.

1. Chemical Engineering

The department endeavors to provide the students with the needs of the chemical industry and research in Chemical Engineering. The aim is to train engineers who will be mainly concerned with the development and application of manufacturing processes in which chemical and/or physical changes of materials are involved, and engineers who will be able to design, construct, operate and maintain the equipment in which these operations and processes will take place.

In the undergraduate program there are four specialization-option sequences: Biomolecular Engineering, Catalyst Technology and Reaction Engineering, Polymers Biopolymers Engineering, and Process Engineering. Each student must select one option sequence from which at least three courses have to be completed. Students doing double-major programs in science or engineering may take a specialization-option sequence from their second major. In addition, all students choose two complementary courses with a view toward complementing their engineering education according to their individual interests. Selection of specialization-option and complementary courses has to be made under the supervision of the departmental advisors.

Research areas: Biosystems Engineering, Microfluidics and Microreactors, Catalyst Technologies and Reaction Engineering, Biomolecular Modelling-Simulations and Drug Design, Complex Materials and Nano Scale Modelling, Process Modelling, Optimization and Control, Renewable Energy.

Chemical Engineering Labs :

- Biosystems/Biochemical Engineering Laboratory I-II
- Catalyzer Technologies and Reaction Engineering Laboratory I-II
- Microfluidics Laboratory



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keywords

Computer Aided Process Engineering; Process Modeling, Synthesis, Design, and Optimization; Optimal Control; Financial Engineering; Portfolio Optimization; Applied Mathematics; Numerical Methods; Neural Networks, Classification, Clustering, Multivariate Statistics

education

BS, Chem. Eng., Bogazici Univ., Istanbul, 1985
MS, Chem. Eng., Bogazici Univ., Istanbul, 1987
PhD, Chem. Eng., Univ. of South Florida (USF), Tampa, Florida, USA, 1991

AHMET ERHAN AKSOYLU

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keywords

Catalyst and Adsorbent Design and Development, Catalysts for SNG production, Hydrogen production, CO2 adsorption, Fuel Processing, Catalytic Dry Reforming of Methane, Sustainable Energy Production, Theoretical Surface Science

education

BS, Bogazici University, 1990
MSc, Bogazici University, 1992
PhD, Bogazici University, 1997

shortbio

Field of Specialization: • Heterogeneous Catalysis • Theoretical Surface Science • Chemical Reaction Engineering and Kinetics • Sustainable Energy Production
Research Interests: • Design and development of research and technical catalysts for SNG production from coal and hydrogen production from hydrocarbons • Design and development of selective and energy efficient CO2 adsorbents • Development of fuel processor technology for PEM-grade hydrogen production from (bio)methane • Design and development of non-PGM catalysts for Catalytic Dry Reforming of Methane (CDRM) • Theoretical surface science for understanding reaction mechanism(s) on possible catalytic active sites of research catalysts tested experimentally • Energy-environment interaction and sustainable energy production
Publications: As of June 2017, • SCI Papers: 53 • Citations(WoS-based): over 1400 • h-index (WoS-based): 23

affiliated research center

SNG and Hydrogen Production Technologies Laboratory-SNG& HydTec Lab (Kömürden Sentetik Doğalgaz ve Hidrokarbonlardan Hidrojen Üretim Teknolojileri Laboratuvarı)
Contact: Prof. Dr.Ahmet Erhan Aksoylu; T.(212) 359 7336, E-mail.aksoylu@boun.edu.tr
Dr.Burcu Selen Çağlayan; T.(212) 359 6856, E-mail. selenbur@boun.edu.tr

affiliated research lab

SNG and Hydrogen Production Technologies Laboratory-SNG& HydTec Lab (Kömürden Sentetik Doğalgaz ve Hidrokarbonlardan Hidrojen Üretim Teknolojileri Laboratuvarı)

**BURAK ALAKENT**

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🌐 <http://www.che.boun.edu.tr/faculty-burak-alakent-EN.aspx>**keywords**

Statistical Modeling of Chemical Engineering Processes Multivariate Statistics and Dimension Reduction Regression Analysis Time Series Analysis Molecular Modelling Protein Structure and Dynamics

education

BS, Bogazici University, 1997
MSc, Bogazici University, 2000
PhD, Bogazici University, 2005

shortbio

Burak Alakent is currently an associate professor in the Department of Chemical Engineering at Boğaziçi University. Dr. Alakent was an assistant professor in the Department of Chemical Engineering at Yeditepe University between 2005 and 2010. In 2006, he served in the military service for one year in Ankara, performing laboratory analysis on gunpowder samples. At Yeditepe University, he gave various core courses of Chemical Engineering, including Elementary Chemistry, Introduction to Computing, Fluid Mechanics, Mathematical Modeling, Process Dynamics and Control, and Advanced Modeling. He has been a faculty member of Boğaziçi University since 2010, and he currently gives Mass and Energy Balances, and Probability and Statistics courses. Dr. Alakent's PhD study focused on integration of times series analysis with protein dynamics, and he was rewarded with BAP Doctorate Thesis Award at 2005. During his time at Yeditepe University, he continued his study on proteins and he finished a Tubitak project on Protein Tyrosine Phosphatase 1B (PTP1B). At Boğaziçi Univeristy, he finished a BAP project and has been currently studying on another BAP project on the frequency response of proteins. Since 2013, Dr. Alakent's research interests have broadened to include statistical modeling of chemical engineering processes. He is currently a consultant to a private sector company for characterization of petroleum products, and has been conducting graduate studies, which aim to construct statistical models of various chemical processes in real industries.

affiliated research lab

KB 508 Process Engineering Laboratory



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keywords

Process intensification, downscaling of the catalytic reactors using the microchannel technology, Simulation, design and testing of catalytic microchannel reactors for chemicals processing, Catalyst development for hydrocarbon-to-synthesis gas conversions under microfluidic conditions and Novel reactors and catalysts for gas-to-liquids (GTL) and biomass-to-liquids (BTL) processes

education

BS, Bogazici University, 1996
MSc, Bogazici University, 1997
PhD, Bogazici University, 2003

shortbio

Dr. Ahmet Kerim Avci has received BS, MS and PhD degrees in Chemical Engineering from Boğaziçi University in 1996, 1997 and 2003, respectively. He worked as an R&D manager in Procter&Gamble Brussels Innovation Center, Belgium, where he directed strategic projects on packaging initiatives for Western Europe. As of September 2005 he joined to Boğaziçi University as a full time faculty at the Assistant Professor level. He promoted to Associate Professor level in 2010. Dr. Avci's research interests are focused on experimental and computer-based investigation of novel catalytic hydrogen and synthesis gas production and conversion technologies, and on intensification of catalytic reactors by microchannel technology. He is the leader of numerous research projects funded by governmental institutes and industry, and is the author of more than 25 international journal publications (Total citations > 600, h-index: 15, source: Google Scholar). Dr. Avci is the holder of several awards such as Distinguished Young Scientist Fellowship (Turkish Academy of Sciences, 2009), Excellence in Research Award (Boğaziçi University Foundation, 2010), Eser Tümen Outstanding Achievement Award for Young Scientists (Feyzi Akkaya Research Fund for Scientific Activities, 2011) and Research Incentive Award (METU Prof. Mustafa N. Parlar Foundation, 2011). Dr. Avci is a member of the Advisory Board of Engineering Research Grant Committee (MAG) of TUBITAK. He is a senior member of AIChE (American Institute of Chemical Engineers), and a member of ACS (American Chemical Society) and of Turkish Catalysis Society. Dr. Avci also acts as one of the delegates of Turkey in European Federation of Catalysis Societies (EFCATS) Council.



DAMLA EROĞLU PALA

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keywords	Electrochemical engineering, Rechargeable batteries, Electrodeposition of metals and composites, Electrochemical modeling and characterization
education	BS, Chemical Engineering, Middle East Technical University, Turkey, 2006 MSc, Chemical Engineering, Middle East Technical University, Turkey, 2008 PhD, Chemical Engineering, Columbia University, USA, 2013
shortbio	Damla Eroglu Pala earned her BSc and MSc degrees in Chemical Engineering from Middle East Technical University in 2006 and 2008, respectively. She received her PhD in Chemical Engineering from Columbia University in May 2013. During her PhD she gained expertise in electrochemical characterization and modeling in complex electrochemical systems such as rechargeable batteries and electrodeposition of metal/ceramic particle composites. She then worked as a postdoctoral researcher in Chemical Sciences and Engineering Division at Argonne National Laboratory between 2013 and 2015 as a part of the Joint Center for Energy Storage Research. Her work there focused on techno-economic modeling and materials-to-system analysis of beyond lithium-ion batteries for transportation applications. She is now an assistant professor in the Department of Chemical Engineering at Bogazici University. There, she started her own research group, named "Electrochemical Engineering Research Laboratory". The group conducts both experimental and theoretical research on electrochemical systems.
affiliated research lab	Electrochemical Engineering Research Laboratory



TÜRKAN HALILOĞLU

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keywords

Modeling and simulations of biomolecular structure and dynamics, statistical mechanics of polymers, protein dynamics, binding and folding, membrane proteins, allostery

education

BS, Chemical Engineering, Bogazici University, Istanbul, 1982-1987
MS, Chemical Engineering, Bogazici University, Istanbul, 1987-1989
PhD, Chemical Engineering, Bogazici University, Istanbul, 1989-1992

shortbio

Türkan Haliloğlu is Professor in Chemical Engineering Department and Director of Polymer Research Center at Bogazici University. She received her PhD degree in Chemical Engineering Department from Bogazici University in 1992. She joined the research group of Prof. W. Mattice as a postdoctoral fellow in the Institute of Polymer Science at the University of Akron in 1992-1993. She has been in the field of polymer and biomolecular sciences. She has developed computational and theoretical approaches for structure based analysis on both synthetic and biomolecular complex systems to search for structure-property/function paradigm. She received Chemistry Award for Young Scientists from TUBITAK (Turkish National Science and Technology Foundation) in 1996, Outstanding Achievement in Research Prize from Bogazici University in 2000, and Distinguished Young Scientist Award by Turkish Academy of Sciences in 2001. She is elected member of Science Academy of Turkey since 2012.

NAZAR İLERİ ERCAN

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keywords

Bio-nanotechnology Functional nanomaterials Membrane separations, controlled delivery, and sensing Multi-scale modeling

education

BS, Middle East Technical University, 2003
MSc, Middle East Technical University, 2005
PhD, University of California, Davis, 2010

shortbio

Nazar İleri-Ercan received her BS and MS degrees in Chemical Engineering from Middle East Technical University and her PhD degree in the same field from University of California, Davis. After completing her PhD degree, she worked at University of California Davis and Lawrence Livermore National Laboratory as a postdoctoral research scientist. She joined the Chemical Engineering department at Boğaziçi University in spring 2016 and is currently an assistant professor in this program. Her research interests include bionanotechnology, functional nanomaterials, membrane separations, multi-scale modeling, controlled delivery and sensing. Dr. İleri-Ercan published more than 15 research articles in peer-reviewed journals and holds 1 patent in U.S.

affiliated research lab

Biomolecular Modelling/Simulations and Drug Design Laboratory Complex Materials and Nano Scale Modelling Laboratory



SEZEN SOYER UZUN

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keywords	Synthesis and structural characterization of amorphous materials, Glasses, Geopolymers, Cementitious materials, Structure-property relationships in complex materials, Structural modeling
education	BS, Middle East Technical University, 2003 MS, Middle East Technical University, 2005 PhD, University of California, Davis, 2009
shortbio	Sezen Soyer Uzun is an Associate Professor in the Department of Chemical Engineering at Boğaziçi University. Her research focuses on the structural characterization of amorphous materials such as glasses, geopolymers, and cementitious materials. Prior to her appointment at Boğaziçi University (2012), Dr. Soyer Uzun worked as a Research Scientist at the Research and Development Center of ConocoPhillips/Phillips 66 Company for two years. Dr. Soyer Uzun received her BS (2003) and MS (2005) degrees in Chemical Engineering from Middle East Technical University. She received her PhD degree (2009) in Chemical Engineering from the University of California, Davis working on understanding the structural characteristics of oxide and chalcogenide glasses. She has research experience as a post-doctoral associate (2010) in the Department of Civil and Environmental Engineering at the University of California, Berkeley where she worked on structural characterization of calcium silicate hydrate materials. Currently, Dr. Soyer Uzun works on understanding the structure-property relations in amorphous systems such as geopolymeric materials employing various spectroscopic and microscopic methods as well as structural modeling techniques.
affiliated research lab	Complex Materials Laboratory



ABDULLAH KEREM UĞUZ

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keywords Microfluidics, Electro-hydrodynamics, Non-Newtonian flows, Interfacial instabilities, Spectral methods

education BS, Bogazici University, 1999
MSc, Bogazici University, 2001
PhD, University of Florida, 2006

shortbio Dr. Uğuz graduated from Boğaziçi University with a BS and MS degrees, then obtained his PhD from the Department of Chemical Engineering at the University of Florida. His work was on the experimental and numerical investigations of the stabilization of liquid interfaces. Then he had two years of post-doctoral experience in the Department of Mechanical Engineering at Carnegie Mellon University where he worked on microfluidics. Dr. Uğuz joined the Department of Chemical Engineering at Boğaziçi University in 2008. Currently, he is an associate professor in the same department. His work is focused on the experimental and numerical aspects of microfluidics, electrohydrodynamics, non-Newtonian flows, and spectral methods.

affiliated research lab Microfluidics Research Laboratory

KUTLU ÜLGEN

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keywords Systems Biology, Systems Medicine, Metabolic Engineering, Biomicrofluidics

education BS, Bogazici University, 1987
MSc, Bogazici University, 1989
PhD, University of Manchester (UMIST), 1992

shortbio Kutlu O. Ulgen is Professor of Chemical Engineering at Boğaziçi University. She holds a PhD in Chemical Engineering from the University of Manchester (UMIST, UK) where she studied antibiotic production by *Streptomyces coelicolor* at different bioreactor operating strategies. Since 1992, she has been a faculty member in the Department of Chemical Engineering at Boğaziçi University. Dr. Ulgen has served as department head (2009-2011) and Associate Dean of Faculty of Engineering (2012-2015). Her current research focuses on Yeast Culturing by Microfluidic Technology and computational Drug Target Identification for the treatment of infectious and genetic diseases as well as cancer. She has also been working on systems biology (computational and experimental), computational reconstruction and analysis of genome scale metabolic models, signaling networks and rational design by metabolic engineering approaches. She has supervised the theses of 80 MS and PhD students and published more than 80 journal articles (SCI/SCIE) and two book chapters on the topics of biomolecular engineering and systems biology.

affiliated research lab Ulgen Research Group
Biosystems Engineering Research Group



RAMAZAN YILDIRIM

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keywords

Heterogeneous catalysis, photocatalytic water splitting, photovoltaics, data mining and knowledge extraction

education

Ege University, 1983
Boğaziçi University, 1988
University of California, Los Angeles, 1993

shortbio

Ramazan Yıldırım is Professor of Chemical Engineering at Boğaziçi University. He received his PhD. degree from University of California, Los Angeles in 1993. After graduation, he had worked as quality consultant in a group of companies, and then as management consultant and trainer in his own company. He has been a full time professor at Boğaziçi University Chemical Engineering Department since 2000. His current researches focus on heterogeneous catalysis in energy related processes, photo-catalytic water splitting and photovoltaics. In addition to experimental works in these fields, he and his students have been working on data mining and knowledge extractions from past publications by constructing large databases from the literature and analyzing them to identify the major patterns, correlations and heuristics for the future studies. Prof. Yıldırım currently serves as Chair of Chemical Engineering Department at Boğaziçi University and Chair of Executive Board of MÜDEK (Association for Evaluation and Accreditation of Engineering Programs). He is the author of various research articles in his research fields as well as two books entitled "Learning to Learn (1998-in Turkish)" and "Creativity and Innovation (1998-in Turkish).

affiliated research lab

Catalyst Technologies and Reaction Engineering (CATREL)

2. Civil Engineering

The Department of Civil Engineering offers BSc, MSc and PhD degree programs in Civil Engineering as well as a non-thesis MSc program in Construction Engineering and Management. The BSc program is four years long: the first two years are dedicated to the study of basic sciences and engineering mechanics, which provide the student with engineering fundamentals. The third and fourth years involve the study and application of the principles of geotechnical engineering, structural engineering, hydraulics and coastal engineering, construction management, transportation engineering, and environmental engineering. The MSc program requires coursework and a thesis the results of which are usually expected to be presented in international conferences. The PhD program requires completion of advanced courses, a qualifying examination, and a thesis which is expected to provide significant contributions to the existing body of knowledge and result in various academic publications.

Graduates of the BSc program qualify for positions in the civil engineering industry in analysis, design, construction and management. Prospective employers include construction contractors, consulting engineers, design offices, industrial firms and various government agencies.

Research: Civil Engineering profession encompasses broad and interdisciplinary areas of study. Accordingly, our faculty has diverse research interests, which are driven in part by the need to solve current industrial and application oriented problems, and in part by the need to prepare to face the challenges of tomorrow.

Research projects are the key elements of graduate study, and the students are encouraged to join in the ongoing research projects as soon as they begin their education. The curriculum is organized to maximize academic and practical experience to help the students with their research. The Structural Engineering Laboratory, the Engineering Materials Laboratory and the Geotechnical Engineering Laboratory serve both academic and research purposes. Laboratory equipment is also available for in-situ field measurements in the areas of coastal engineering and structural engineering.

The departmental focus in research is on sustainable solutions, hazard mitigation, innovative materials and technologies, and industrial applications. Some recent research topics include performance and energy based design, structural fire safety, structural health monitoring, blast mitigation, durable concrete, recycled concrete, environmental geotechnics, soil improvement, dredging and beach nourishment, maritime risk, integrated watershed management, energy efficiency in buildings, virtual safety training, innovation management, intelligent transportation systems.



ÖZER ÇİNİCİOĞLU

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keywords

Mechanics of Granular Materials, Strength and Deformability, Deep Foundations, Retaining Structures, Physical Modelling

education

BS, İstanbul Technical University, 1999
MSc, Boğaziçi University, 2001
PhD, University of Colorado at Boulder, 2005

shortbio

Assoc. Prof. Özer Çinicioğlu specializes in geotechnical engineering, the branch of civil engineering that deals with the mechanics of soils, foundation systems, and the interaction of soils and structures. His research mainly focuses on strength and deformability of soils, retaining structure, deep foundations, and dynamic soil behavior. His main goal is to develop a simple mechanics based approach that would consider static and dynamics geotechnical problems within the same framework. He has completed several projects and published papers regarding the dilatant behavior of granular matter, and investigates the influence of dilatancy on wide range geotechnical problems, both static and dynamic. Dr. Çinicioğlu serves as the vice-chair of the department of civil engineering and he is also the director of the Karl Terzaghi Soil Mechanics Laboratory. He is member of professional societies as Turkish Chamber of Civil Engineers (IMO), National Committee of Soil Mechanics and Foundation Engineering (ZMTM), and International Society of Soil Mechanics and Foundation Engineering (ISSMGE). Within the body of ISSMGE, Dr. Çinicioğlu is a core member of Technical Committees TC105 Geomechanics Micro to Macro and TC212 Deep Foundations. He is also contact member of TC211 Ground Improvement and TC101 Laboratory Stress Strength Testing of Geomaterials. Besides his academic activities, Dr. Çinicioğlu serves as a consultant to professional civil engineering companies. He worked on projects such as foundation systems for high rise buildings, deep excavations, foundations for offshore platforms, construction of port facilities on soft ground, construction of railway embankments, and many more.



SEMRA ÇOMU

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keywords

Global Project Networks, Project Management, Virtual Environments, Safety Management, Energy Efficient Buildings, User Behavior

education

BS, Bogazici University, 2008
MSc, Columbia University, 2010
PhD, Virginia Tech, 2012

shortbio

Dr. Semra Çomu is a faculty member of Construction Management in the department of Civil Engineering. She received her BS in Civil Engineering from Bogazici University in 2008. After her graduation, she pursued graduate study in Construction Engineering and Management at Columbia University as a Fulbright scholar. She received her MS degree in 2010 and continued her studies at Columbia University as a research assistant. In 2011 she was invited to continue NSF funded research called "CyberGRID (Cyber-enabled Global Research Infrastructure for Design) Network" at Virginia Tech and received her PhD in 2012. She has performed research in the areas of global EPC organizations, project networks, virtual environments, global virtual collaboration and knowledge management. Her current research concentrates on the advanced occupational health and safety management systems, understanding the impact of user behavior on energy consumption in energy efficient buildings and integrating virtual environments to model energy consumption in buildings.

ILGIN GÖKAŞAR

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keywords

Intelligent Transportation Systems, Traffic Engineering, Sustainable Transportation, Big Data in Transportation Engineering, Travel Behavior

education

BS, Bogazici University, 2000
MSc, Rutgers University NJ, USA, 2003
PhD, Rutgers University NJ, USA, 2006

affiliated research center

TETAM

affiliated research lab

Bogazici University Intelligent Transportation Systems Laboratory



SAMI A. KILIÇ

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keywords Earthquake Resistant Steel and Reinforced Concrete Structures, Long-span Suspension

education BS, Bogazici University, 1989
MSc, University of California, Berkeley, 1990
PhD, Stanford University, 1997

shortbio Dr. Kiliç is actively working in the field of Protective Structures for the blast protection of critical buildings and infrastructure. He was a member of the working group on Impact and Explosion in the European Union's COST Action C26: Urban Habitat Constructions under Catastrophic Events. He is a member of the CICIND International Chimney Organisation and takes part in the development of seismic design codes for tall reinforced concrete industrial chimneys. He is working with the industry on the topic of sloshing in liquid-filled metal cylindrical petrochemical containers under the action of seismic ground motions. He collaborated with German scientists in the 3D finite element modeling of the Fatih Sultan Mehmet Suspension Bridge. He is an active member of the American Society of Civil Engineers and American Concrete Institute.

affiliated research center Structures Group, Dept. of Civil Engineering, Bogazici University



HİLMİ LUŞ

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keywords Structural Dynamics, System Identification, Structural Health Monitoring, Earthquake Engineering, Earthquake Risk Mitigation

education BS, İTÜ, 1995
MS, Columbia University, 1996
PhD, Columbia University, 2001

shortbio Hilmi Luş is a Professor of Civil Engineering at Boğaziçi University. His research expertise is on dynamical behavior of civil engineering structures with emphasis on health monitoring and earthquake risk mitigation. He is currently (2017) serving as the Chairman of the Department of Civil Engineering and the Deputy Director of the Institute for Graduate Studies in Sciences and Engineering. He is the co-author of two textbooks and the translator of one, and he has won awards from the Turkish Academy of Sciences (TÜBA) for all three.



KUTAY ORAKÇAL

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keywords

Structural Engineering, Earthquake Engineering, Reinforced Concrete Structures, Behavior Modeling, Laboratory and Field Testing, Performance-Based Design

education

BS, Middle East Technical University, 1998
MS, University of California Los Angeles, 2001
PhD, University of California Los Angeles, 2004

shortbio

Kutay Orakçal serves as Associate Professor and Co-Director of the Structural Engineering Laboratory within the Department of Civil Engineering at Boğaziçi University. Dr. Orakçal's research interests lie in the field of structural and earthquake engineering, with emphasis on response assessment for structural elements and systems subjected to earthquake actions, through laboratory testing, field testing, and analytical modeling. Dr Orakçal also serves in seismic code committees on design on reinforced concrete structures and tall buildings.

EMRE OTAY

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keywords

Coastal and ocean engineering, sustainable infrastructures, renewable energy, marine sediments, maritime traffic

education

BS, Civil Engineering, Bogazici University, 1987
Dip.-Ing. Civil Engineering, TU Braunschweig, 1990
PhD, Coastal and Ocean Engineering, University of Florida, 1994

shortbio

Dr. Emre Otay has received his BS in Civil Engineering in Turkey and his MS and PhD degrees from Germany and USA in Coastal and Ocean Engineering. His research focuses on the transport of liquids and solids in coastal waters and particularly on waves, currents and the transport processes where he has authored or refereed over 100 articles. He enjoys computer models and field experiments to find environmentally sensitive solutions for coastal and marine environments including risk models for maritime traffic and oil contamination. He has served as the Associate Dean of Graduate School in Engineering and Sciences. After his sabbatical year at GeorgiaTech (USA), he served in the Rector's Council of Boğaziçi University and coordinated the Self-sufficient Saritepe Green Campus Project including the wind power plant and new research laboratories in renewable energy and sustainable new products. He has served in the steering committee of the European Marine Sand and Gravel Group. Currently he is employed as a Professor and Head of Civil Engineering and the director of the Coastal Engineering Laboratory at Boğaziçi University.

affiliated research center

Renewable Energy Technology Research Lab (buret.boun.edu.tr)
Istanbul Microalgae Biotechnologies Research and Development Center (imbiyotab.boun.edu.tr)

affiliated research lab

Coastal Engineering Laboratory (coastal.boun.edu.tr), Wind Energy Lab (bures.boun.edu.tr), Urban Lab (urbanlab.boun.edu.tr)



BELİZ ÖZORHON

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keywords

Construction innovation, process and performance management, building information modeling, international construction, knowledge management

education

BS, Middle East Technical University, 2002
MSc, Middle East Technical University, 2004
PhD, Middle East Technical University, 2007

shortbio

Dr. Beliz Ozorhon has been working as a faculty member of Construction Management in Civil Engineering department since 2010. She worked on performance modeling of international construction joint ventures in her PhD study. She worked as a researcher at Middle East Technical University (Ankara, Turkey), Illinois Institute of Technology (Chicago, IL), and the University of Salford (Manchester, UK). She teaches undergraduate and graduate courses and supervises MSc and PhD students in the Civil Engineering Department. She also offers courses in Construction Engineering and Management Graduate Program (non-thesis). She is the Graduate Admission Advisor of the Civil Engineering Department. She has published over 70 journal and conference papers on topics such as construction innovation, performance and process management, sustainable construction, international construction, knowledge management, construction project management, risk management, and decision support systems. Her recent projects focus on building information modeling; public private partnership (PPP) projects; energy efficient design; process integration; and financial modeling.

affiliated research center

İnovasyon ve Rekabet Odaklı Kalkınma Çalışmaları Uygulama ve Araştırma Merkezi

**TURAN ÖZTURAN**

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<http://www.ce.boun.edu.tr/> **keywords**

Cement based composites and concretes, cement replacement materials, lightweight fly ash aggregates, lightweight concretes, strength and durability

education

BS, Boğaziçi University, 1974

MSc, Boğaziçi University, 1977

PhD, İstanbul Technical University, 1984

shortbio

Turan Özturan is a professor of civil engineering at Boğaziçi University. Dr. Özturan served as head of the Civil Engineering Department (2002-2004, 2011-2014), vice director of the Faculty of Engineering (2000-2003) and vice rector of the University (2004-2008). His research interests include investigation of the mechanical properties and durability of cement based composites and concretes. He is especially interested on the use of cement replacement materials for improving the strength and durability of concrete. Dr. Özturan also conducted extensive research on producing lightweight fly ash aggregates produced by cold bonding and sintering the pellets of fly ash-binder mixtures as well as reinforcing the pellets with organic and polymeric fibers. He worked experimentally on strength, fracture and durability of normal and lightweight concretes covering the freeze-thaw resistance, sulphate resistance, salt scaling, chloride ion permeability and corrosion of reinforcement in concrete. Dr. Özturan has supervised 19 MSc thesis and 9 PhD thesis in the department of civil engineering and directed 11 funded research projects. He has published 40 peer reviewed papers in international journals and presented 61 papers in international and national symposiums and conferences.

affiliated research lab

Engineering Materials Laboratory, Structure Laboratory



NİLÜFER ÖZYURT ZİHNİÖĞLÜ

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keywords Fibers, Concrete, Durability, High Performance Composite Materials, Rheology, Fire performance

education BS, Istanbul Technical University
MsC, Istanbul Technical University
PhD, Istanbul Technical University/Northwestern Univ.

shortbio Dr. Nilufer Ozyurt Zihnioglu is a Professor in Bogazici University, Istanbul/Turkey. She received her M.S. and Ph.D from Istanbul Technical University in the area of structural materials. She spent 3 years at Center for Advanced Cement Based Materials of Northwestern University as a pre-doctoral fellow during her Ph.D studies. She was awarded several grants during her Ph.D including fellowships from Northwestern University, TUBITAK (The Scientific and Technological Research Council of Turkey), Istanbul Technical University and Tincel Cultural Foundation. Dr. Ozyurt Zihnioglu also serves as the director of Construction Materials Laboratory of Civil Engineering department and coordinates several projects ongoing in the lab. Her research focuses on fiber dispersion in fiber-reinforced cement-based materials, rheology of cementitious materials, durability of concrete, and concrete under elevated temperatures. She has authored and co-authored more than 35 research papers on different subjects and obtained more than 500 citations (WoS).

affiliated research lab Civil Engineering Department, Construction Materials Lab. Coordinator



SERDAR SELAMET

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keywords

Steel structures, structural fire, computational mechanics, finite element method, heat transfer, reliability assessment of structures, multi-hazard mitigation

education

BS, Duke University, 2006
MS, Princeton University, 2008
PhD, Princeton University, 2011

shortbio

Associate Prof. Serdar Selamet is in the Department of Civil Engineering and specializes in structural fire safety engineering and steel structures. He is a Marie Curie International Incoming Fellow supported by European Union and Newton Research Fellow supported by UK. He has received several TUBITAK research grants including 1002 and 3001. He is actively involved in Technical Committees such as ASCE, SEI, EU-COST, ECCS-TC in Turkey, Europe and the United States.

SERDAR SOYÖZ

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keywords

Structural Health Monitoring, Earthquake Engineering, Cold-Formed Steel, Base Isolation

education

BS, METU, 2001
MS, METU, 2004
PhD, UCI, 2007

shortbio

Prof. Serdar Soyöz is an expert in structural health monitoring of tall buildings, bridges, historical structures and energy infrastructure (wind turbines, offshore platforms..) He also has expertise in earthquake engineering such as probabilistic seismic hazard analysis and seismic analysis of cold-formed steel structures and based isolated structures. He is the director of Structures and Structural Health Monitoring Laboratories.

affiliated research lab

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İREM ZEYNEP YILDIRIM

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keywords

Geo-materials, sustainable geotechnics, geotechnical design, geosynthetics, seismic response of geotechnical structures, deep foundations

education

BS, Istanbul Technical University, 2002
MSc, Istanbul Technical University, 2004
PhD, Purdue University, 2009

shortbio

Dr. Zeynep Yıldırım serves as an Assistant Professor of Civil Engineering at Boğaziçi University. Dr. Yıldırım received her B.Sc. and M.Sc. degrees from İstanbul Technical University. She got her Ph.D. degree from Purdue University in 2009. She was the recipient of Ross Fellowship and Blisland Dissertation Fellowship in 2004 and 2009, respectively. Dr. Yıldırım continued working at Purdue as Postdoctoral Research Associate in 2010, managing the research and implementation projects supported by the Indiana Department of Transportation (INDOT). From 2010 to 2015, she worked full-time as a Senior Geotechnical Engineer in Consultant Companies in the USA. Dr. Yıldırım got registered as a Professional Engineer (P.E.) in Texas in 2013. As a senior geotechnical engineer, she provided geotechnical consulting services for a range of challenging projects in Texas and around the world, including landfill construction quality assurance projects, and international oil & gas projects based in Canada, Russia & Alaska. Dr. Yıldırım served at MEF University as one of the founding faculty members of the Department of Civil Engineering between 2015 and 2019. Dr. Yıldırım's research interests include sustainable geotechnics, deep foundations, soil improvement, environmental geotechnics, retaining structures, and earthquake geotechnical engineering. She recently completed her TÜBİTAK-BİDEB supported research project on utilization of industrial by-products. She has been serving as an Expert for the European Commission H2020 Marie Skłodowska-Curie Actions Research Program since 2016. She has also been serving as the President of American Society of the Civil Engineers (ASCE) Turkey Group.

affiliated research lab

Geotechnical Engineering Laboratory

3. Computer Engineering

The Computer Engineering Department (CmpE), with its 21 full-time faculty members, holds the largest research groups on Computer and Sensor Networks, Video and Image Processing, Robotics and Artificial Intelligence in Turkey. With approximately 200 graduate students, enrolled in 2-year Master of Science (with thesis) and PhD programs, CmpE has the largest graduate program in Turkey.

The undergraduate program in computer engineering is designed so that students have a balanced background in computer hardware, software, and computer applications, and that they can adopt themselves to rapidly changing technology in their professional carrier.

The research labs and the research projects span a wide spectrum ranging from embedded system design and real time operating systems to parallel, distributed and ubiquitous computing and multi-agent systems, including various aspects such as multimedia communications, security, and human computer interaction.

Computer Engineering Laboratories:

- Artificial Intelligence Laboratory (AILAB)
- Computer Architecture and Systems Laboratory (CASLAB)
- Media Laboratory (MEDIALAB)
- Computer Networks Laboratory (NETLAB)
- Perceptual Intelligence Laboratory (PILAB)
- Satellite Networks Research Laboratory (SATLAB)
- Complex Systems Research Laboratory (SOSLAB)
- Text Analytics and Bioinformatics Laboratory (TABI)

**LALE AKARUN**✉ akarun@boun.edu.tr🌐 <https://www.cmpe.boun.edu.tr/~akarun/doku.php>

keywords	Biometrics: 3D Face Recognition, Hand Vein Recognition Gesture Recognition: HCI, Sign Language Recognition Computer Vision and Image Processing, Computer Graphics
education	BS, EE, Bogazici University, 1984 MSc, EE, Bogazici University, 1987 PhD, EE, Polytechnic University, 1992
shortbio	<p>Lale Akarun has joined the faculty of Bogazici University in 1993. Since 2002, she has been a full professor of Computer Engineering. She has served as department head (2010-2012), vice rector for research (2012-2016), and Director of Center for Telecommunication and Infrmatcs (2017-present). Her research focuses on image processing and computer vision; in particular, face recognition, human body analysis, hand gesture recognition and sign language recognition. She has supervised the theses of more than 50 MS and PhD students and published more than 100 articles on applications of image processing and computer vision. Some of her research projects are:</p> <p>TUBITAK Sign Tutor; TUBITAK 3D Object Recognition; FP6 projects: SIMILAR and BIOSECURE networks of excellence; COST 2101: Biometrics for smart cards and identity documents; DPT project: Perceptual human-computer interfaces; FP7 FIRESENSE; TÜBİTAK- BMBF Gesture Based Interaction in Emergency Management Systems (GEMS); TÜBİTAK- RFBR Information kiosk for the handicapped; COST IC 1106 Integrating Biometrics and Forensics for the Digital Age; SANTEZ Sign-based interface for health and banking applications. Tübitak Project: Searching of Turkish Sign Language Videos with Visual Queries, 2018-2020. H2020 Affectec</p>
affiliated research center	Telecommunications and Informatics Research Center (TETAM)
affiliated research lab	Perceptual Intelligence Lab (PILAB)



H. LEVENT AKIN

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keywords Artificial Intelligence, Autonomous Robots

education BS, Aeronautical Engineering, Istanbul Technical University, 1982
MSc, Nuclear Engineering, Boğaziçi University, 1984
PhD, Nuclear Engineering, Boğaziçi University, 1989

shortbio H. Levent Akin is Professor of Computer Engineering at Boğaziçi University. Since 1989, he has been a faculty member in the Department of Computer Engineering at Boğaziçi University. He has published more than 190 journal articles, conference papers, book chapters, and research reports on the applications of artificial intelligence techniques, autonomous robots, multi-robot systems and social robots. He was a trustee of the RoboCup Federation between 2011 and 2017.

affiliated research lab Artificial Intelligence Lab



FATİH ALAGÖZ

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keywords

Wireless/Mobile/Satellite Networks, Telecommunications, Software defined network (SDN), Internet of Things(IoT), SON, 5G, security, cloud computing, software engineering, signal processing, biometrics, watermarking

education

BSc, Middle East Technical University, 1992
MSc, The George Washington University, 1995
DSc, The George Washington University, 1999

shortbio

Dr. Fatih Alagöz is a professor at the Department of Computer Engineering, Bogazici University (TR). Prof. Alagöz has held faculty positions at Harran University (TR), George Washington University (USA), and United Arab Emirates University (UAE). Dr. Alagoz has 20+ years of research/teaching experience spanning the entire life cycle of wireless/mobile/satellite multimedia communications systems. Dr. Alagöz has 6 patents, edited 12 books/book chapters and published more than 150 scholarly papers in selected journals/conferences. Dr. Alagöz has served on major IEEE conferences, and organized/chaired a number of technical sessions. Dr. Alagöz has contributed/managed to 15 research projects for various organizations including US Army of Intelligence Center, Naval Research Laboratory, UAE Research Fund, Turkish Scientific Research Council, State Planning Organization of Turkey, etc. Dr. Alagoz' current R&D interests are in the area of wireless/mobile/satellite networks and signal processing. Specifically, software defined networks(SDN), cognitive radio networks, 5G, Internet of Things (IoT), Self Organizing Networks(SON), content delivery networks, target detection/tracking in video streams, biometric authentication for highly secure systems, DDOS attack detection and counter measures, etc. Dr. Alagöz has been consultant to a few Research & Development Centers specialized in banking, finance, CRM, telecommunications, network security, E-trade and software engineering sectors in Turkey.

affiliated research center

TETAM

affiliated research lab

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İNCİ M. BAYTAŞ

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keywords

Machine Learning, Deep Learning, Biomedical Informatics

education

BS, Istanbul Technical University, 2012
MSc, Istanbul Technical University, 2014
PhD, Michigan State University, 2019

shortbio

İnci M. Baytaş is an assistant professor in the Department of Computer Engineering at Bogazici University since 2019. She previously worked as a research assistant in the Department of Computer Science and Engineering at Michigan State University. She worked as a researcher in two Office of Naval Research projects during her Ph.D. Her research interests include machine learning, deep learning, adversarial machine learning, time series analysis, optimization, and their applications on biomedical informatics.



HALUK O. BİNGÖL

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keywords

Complex Systems, Complex Networks, Self organizing systems, Human Brain, Crowd Dynamics, online learning

education

BS, EE, ODTU, 1982
MS, Computer Engineering, Syracuse University, 1985
PhD, Computer Engineering, Syracuse University, 1987

shortbio

Haluk O. Bingol is Full Prof of Computer Engineering at Bogazici University. Research interests of Dr. Bingol include Complex Systems, Complex Networks, Social Systems, Brain, online learning. Dr. Bingol has published over 50 research articles on the topics on modeling social systems, effect of small memory, change of education due to the Internet. Dr. Bingol has organized a series of interdisciplinary two-day conferences called "Brain as an Information Processing Machine" in 1995, 1997, 2005 and 2008. Dr. Bingol is the editor of the book, which is second edition, with the same name, which collects the talks given in the series. Before joining to the department, Dr. Bingol was the founder and president of Integral Inc. that has developed quite innovative applications such as web-ready educational content in 1997, mobile location based applications on cellular phones in 2003. Currently Dr. Bingol is one of the founders of sd4u Inc, which develops an integrated online platform for learning programming.

affiliated research center

TETAM

affiliated research lab

SoSLab, NetLab

ALİ TAYLAN CEMGİL

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keywords

Statistical Modelling and Data analysis, Big Data, Bayesian statistics, Machine Learning, Time Series Analysis, Graphical Models, Approximate inference, Monte Carlo methods, Distributed Optimization, Statistical analysis of Networks, Matrix and Tensor decompositions, Audio and Music Processing

education

BSc, Boğaziçi University, 1993
MSc, Boğaziçi University, 1995
PhD, Radboud University Nijmegen, Nijmegen, The Netherlands, 2004

shortbio

Taylan Cemgil (M'04) received his Ph.D. (2004) from SNN, Radboud University Nijmegen, the Netherlands. Between 2004 and 2008 he worked as a postdoctoral researcher at Amsterdam University and the Signal Processing and Communications Lab., University of Cambridge, UK. Currently, he is an associate editor of IEEE Signal Processing Letters and Digital Signal Processing. His research interests are in Bayesian statistical methods and inference, machine learning, signal processing and data analysis.



CEM ERSOY

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keywords

Activity recognition and ambient sensing, pervasive health, multi-tier edge computing, SDN/NFV, IoT, green 5G and beyond networking, DASH infrastructureless communications for emergency scenarios

education

BS, Bogazici University, 1984
MSc, Bogazici University, 1987
PhD, Polytechnic University, New York, 1992

shortbio

Cem Ersoy received his BS and MS degrees in electrical and electronics engineering from Bogazici University, Istanbul, in 1984 and 1986, respectively. He worked as an R&D engineer in Northern telecom subsidiary NETAS A.S. between 1984 and 1986. He received his PhD in electrical engineering from Polytechnic University, New York in 1992. Since then, he has been a professor of Computer Engineering and the leader of the Wireless Sensor Networks Research Group in Bogazici University. He guided 75+ graduate students, completed 30+ funded projects, authored 250+ scholarly papers. His research interests include multi-tier multi access edge computing, activity recognition and ambient sensing for pervasive health, SDN/NFV, IoT, DASH, green networking. Prof. Ersoy is the Vice Director of the Telecommunications and Informatics Technologies Research Center. Dr. Ersoy had been the chairman of the IEEE Communications Society Turkish Chapter for eight years.

affiliated research center

Telecommunications and Informatics Technologies Research Center, TETAM

affiliated research lab

Computer Networks Research Laboratory, NETLAB



TUNGA GÜNGÖR

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keywords

Artificial Intelligence, Natural Language Processing, Machine Translation, Machine Learning, Pattern Recognition

education

BS, Computer Engineering, Bogazici University, 1987
MS, Computer Engineering, Bogazici University, 1989
PHD, Computer Engineering, Bogazici University, 1995

shortbio

Tunga Güngör received his Ph.D. degree from Department of Computer Engineering, Boğaziçi University, Istanbul, Turkey, in 1995. He is a Professor in the Department of Computer Engineering, Boğaziçi University. His research interests include natural language processing, machine translation, machine learning, and pattern recognition. He published about 80 scientific articles, and participated in several research projects and conference organizations. He was a Visiting Professor at the Center for Language and Speech Technologies and Applications at Universitat Politècnica de Catalunya, Barcelona, Spain in 2012.

affiliated research lab

Artificial Intelligence Laboratory, Text Analytics and Bioinformatics Laboratory



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keywords	Perceptual Intelligence, Human Computer Interaction, Multimedia
education	BS, Istanbul Technical Univ., 1980 MS, Istanbul Technical Univ., 1982 MS, Ohio State University, 1985 PhD, University of Akron, 1989
shortbio	He is currently a Professor of Computer Engineering Dept. of Boğaziçi University. His research interests include intelligent systems, medical decision making applications, pattern recognition, neural networks and speech processing.
affiliated research lab	Perceptual Intelligence Lab, Multimedia Lab.

ARZUCAN ÖZGÜR

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keywords	Bioinformatics, Text Mining, Natural Language Processing
education	BS, Bogazici University, 2002 MSc, Bogazici University, 2004 PhD, University of Michigan, 2010
shortbio	Arzucan Özgür is an associate professor at the Department of Computer Engineering of Bogazici University. She holds a Ph.D. degree in Computer Science and Engineering from the University of Michigan. Her research interests include bioinformatics, text mining, and natural language processing. Her recent focus has been on developing machine learning and text processing based methods for information extraction from textual and biological data. She is a recipient of the European Commission Marie Curie Career Integration Award for research on contextual text mining from the biomedical scientific literature as well as Science Academy Young Scientist Award (BAGEP 2016, Turkey) and Turkish Science Academy Young Scientist Award (TÜBA-GEBIP, 2019, Turkey).
affiliated research center	Telecommunications and Informatics Technologies Research Center (TETAM)
affiliated research lab	Text Analytics and Bioinformatics Laboratory (TABILAB), Artificial Intelligence Laboratory (AILAB)

**CAN ÖZTURAN**

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keywords	High performance computing, Parallel processing, Grid/Cloud Computing, Graph Algorithms, Blockchain Technologies
education	BS, Rensselaer Polytechnic Institute, 1988 MS, Rensselaer Polytechnic Institute, 1990 PhD, Rensselaer Polytechnic Institute, 1995
shortbio	Can Özturan received his Ph.D. degree in computer science from Rensselaer Polytechnic Institute, Troy, NY, USA, in 1995. After working as a Postdoctoral Staff Scientist at the Institute for Computer Applications in Science, NASA Langley Research Center, he joined the Department of Computer Engineering, Bogazici University in Istanbul, Turkey, as a faculty member in 1996. His research interests are high performance computing, parallel processing, scientific computing, resource management, graph algorithms, and grid/cloud computing and more recently blockchain technologies. He participated in SEEGRID2, SEEGRID-SCI, and PRACE 1IP, 2IP, and 3IP European FP7 infrastructure projects.
affiliated research center	Telecommunications and Informatics Technologies Research Center (TETAM)
affiliated research lab	Computer Networks Research Laboratory (NETLAB), Computer Architecture and Systems Laboratory (CASLAB)

**A. C. CEM SAY**

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<https://www.cmpe.boun.edu.tr/~say/> **keywords** Artificial Intelligence, Theoretical Computer Science, Quantum Computation**education** BS, Computer Engineering from Boğaziçi University, 1987
PhD, Computer Engineering from Boğaziçi University, 1992**shortbio**

Cem Say's doctoral research was on qualitative reasoning (QR), an AI approach to endow computers with the ability of reasoning about physical systems without necessarily using numerical representations. He discovered several improvements to the qualitative simulation algorithm QSIM, adapted it to perform postdiction (i.e. backward simulation, inferring the past from the present), and created a model identification algorithm named QSI, which takes as input the observed behaviors of a system and comes up with a qualitative differential equation that models it, possibly including "deep" variables that are not visible in the input. His continued research on QR resulted in a theorem in which he proved that no qualitative simulator which has the guarantee of finding all possible behaviors of the considered system can furnish the additional guarantee of not reporting some "spurious" solutions, i.e. behaviors not sanctioned by the input model, in its output. Say later worked on natural language understanding for Turkish, and developed ALİ, a program that can solve primary-school level arithmetic problems stated in Turkish, and headed the TOY project, resulting in a Turkish conversational agent. Prof. Say then focused on theoretical computer science. His recent work includes the characterization of the complexity class NL in terms of limited-randomness interactive proof systems, quantum finite automata, computation using closed timelike curves, debate systems, advised computation, and monoids as memory. Cem Say was one of the computer scientists who helped uncover the digital forgeries in Turkey's conspiracy trials in 2006-2016. He contributes popular science articles to several magazines.

affiliated research lab Artificial Intelligence Laboratory

**ALPER ŞEN**

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🌐 <http://www.cmpe.boun.edu.tr/~sen/>**keywords**

Software testing and verification, machine learning, parallel and distributed systems, formal methods, embedded and multicore systems, electronic design automation

education

BS, Middle East Technical University, 1995
MSc, Middle East Technical University, 1997
PhD, The University of Texas at Austin, 2004

shortbio

Alper Sen is a Professor with the Department of Computer Engineering, Bogazici University, Istanbul, Turkey. He was a Member of Technical Staff in the Design Technology Organization at Freescale Semiconductor Inc., Austin and also an Adjunct Professor at the University of Texas at Austin. He is the recipient of a European Union Marie Curie Fellowship and The Turkish Academy of Sciences Young Scientist Award. He completed research projects sponsored by Semiconductor Research Corporation, USA and holds international and national patents. His current research interests include verification and testing of software, machine learning for software engineering, embedded and multicore systems. He is a senior member of the IEEE.

affiliated research lab

Dependable Systems Group, Computer Architecture and Systems Laboratory (CASLAB)

**OĞUZ TOSUN**

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🌐 <http://www.cmpe.boun.edu.tr/~tosun/>**keywords**

High Performance Computer Design, Optimal Mapping of Applications onto Multicore/Manycore Systems, Testing and Fault-Tolerant Design of Hardware and Software Systems , Computer Reliability Modelling, Robotics, IoT, Connected Autonomous Driving

education

BSc & MSc, Istanbul Technical University, 1971
PhD, Syracuse University, USA, 1977

shortbio

Oğuz Tosun currently serves as Professor Emeritus in Computer Engineering Department, Bogazici University. He has served as Chairman of Computer Eng'g. Dept. between the years 1985-1990. He also has served as Assoc. Dean of School of Engineering between 1994-1997 and as Coordinator of "Executive Graduate Programs" between 2007-2009. Prior to joining Bogazici University in 1978, he has hold faculty appointment as Assist. Prof. in Computer Science Department at the State University of New York at Oswego. He also has served as Visiting Assist. Prof. in Electrical and Computer Engineering Department at the University of Santa Clara, Calif. Between 1980-81. Most recent (since 2010) 18 publications of Dr. Tosun focuses on performance and reliability aspects of chip multiprocessors and optimal mapping of applications ranging from partical simulation to multi-robot path planning and vehicle localization.

affiliated research lab

Robotics group of AI LAB, CAS (Computer Architecture & Systems) LAB.



TUNA TUĞCU

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keywords	Mobile and Wireless Networks, 5G, Internet of Things (IoT), Cognitive Radio, Nanonetworking, Molecular Communications, Next Generation Wireless Networks
education	BS, Bogazici University, 1993 MSc, New Jersey Institute of Technology, 1994 PhD, Bogazici University, 2001
shortbio	Tuna Tuğcu is a professor in the Department of Computer Engineering at Bogazici University and a member of the Computer Networks Research Lab (NETLAB). The research interests of Dr. Tuğcu span two different fields: (1) Wireless Networks; (2) Molecular Communications and NanoNetworking. His current focus in wireless networks is on 5G, Internet of Things (IoT), and Cognitive Radio. He contributes in the IEEE 1900.1 standard group, NATO IST104-RTG050 and IST-ET-074 groups on Cognitive Radio. In the field of molecular communications, Dr. Tuğcu mostly focuses on diffusion-based systems. He contributes in IEEE 1906.1 standard group on Molecular Communications. In addition to academic research projects, Dr. Tuğcu has been conducting industry-funded research on localization, navigation, resource planning and BS location optimization. He also partners a start-up company that develops online educational tools for teaching programming languages to massive classes.
affiliated research center	* TETAM: Telecommunications and Informatics Technologies Research Center (Teleiletişim ve Enformatik Teknolojileri Uygulama ve Araştırma Merkezi) * Entrepreneurship Research Center (Girişimcilik Uygulama ve Araştırma Merkezi)
affiliated research lab	NETLAB: Computer Networks Research Laboratory



EMRE UĞUR

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keywords Robotics

education BS, Middle East Technical University, 2003
MSc, Middle East Technical University, 2006
PhD, Middle East Technical University, 2010

shortbio

Emre Ugur is an Assistant Professor, Dept. of Computer Engineering, Bogazici University. Dr. Ugur received his PhD, MSc and BSc degrees in Computer Engineering from Middle East Technical University (METU, Turkey), in 2010, 2006 and 2003, respectively. He was a research assistant in METU between 2003-2009; worked as a research scientist in Advanced Telecommunications Research Institute (ATR, Japan) from 2009 to 2013; visited Emergent Robotics Laboratory, Osaka University, as a specially appointed Assistant Professor with cross-appointment in 2015-2016; and worked as a senior researcher in Intelligent and Interactive Systems, Informatics Institute, University of Innsbruck from 2013 to 2016. He participated in several EU funded projects, including Xperience, ROSSI, MACS and Swarm-bots; and is currently PI of IMAGINE project funded by H2020-ICT program. He is interested in developmental and cognitive robotics, and robot learning.

affiliated research center

Teleiletişim ve Enformatik Teknolojileri Uygulama ve Araştırma Merkezi (TETAM)

affiliated research lab

Artificial Intelligence Laboratory, Colors Lab



SUZAN ÜSKÜDARLI

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keywords Web Science, Social Network Analysis, Social Semantic Web, Community Informatics

education BS, Truman University, 1986
MS, University of Iowa, 1992
PhD, University of Amsterdam, 1997

shortbio

Dr. Üsküdarlı received her PhD in computer science from University of Amsterdam (UvA), in Amsterdam, The Netherlands in 1997. Her PhD research was related to the algebraic specification of visual languages under the programming language research group. After graduating she moved to California to work at Philips research on virtual worlds. Then she worked at Neometron in the area of virtual project teams. Thereafter she worked on purposeful online communities and spent time in Bangalore India before joined Bogazici University in 2005. She teaches software engineering courses, cooperation technologies and social semantic web. Her main interest is in the social application of computing with emphasis on web technologies that serve human endeavours. She is a member of the Telecommunications and Informatics Technologies Research Center and oversees a makerlab. She is active in teaching computing to underserved communities and women.

affiliated research center

Telecommunications and Informatics Technologies Research Center

affiliated research lab

Complex Systems Lab



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keywords

Mobile and Wireless Networks, mmWave, Cognitive Radio, Nanonetworking, Molecular Communications, Next Generation Wireless Networks

education

BS, Bogazici University, 2002
MSc, Bogazici University, 2006
PhD, Bogazici University, 2012

shortbio

H. Birkan Yılmaz is currently an Assistant Professor in the Department of Computer Engineering at Bogazici University, Istanbul, Turkey and a member of the Computer Networks Research Lab (NETLAB). He received his B.S. degree in Mathematics in 2002, and the M.Sc. and Ph.D. degrees in Computer Engineering from Bogazici University in 2006 and 2012, respectively. He worked as a post-doctoral researcher at Yonsei Institute of Convergence Technology, Yonsei University, South Korea for four years and at Universitat Politecnica de Catalunya, Spain (via Beatriu de Pinos fellowship) for two years. His Erdos number is three. He was awarded TUBITAK National Ph.D. Scholarship during his Ph.D. studies and the Marie Skłodowska-Curie Actions Seal of Excellence in 2016. He is currently the PI of the project that is titled "Molecular Signal Source Localization for Underwater and Medical Applications" under TUBITAK 2232 International Fellowship for Outstanding Researchers. His research interests include molecular communications, cognitive radio, spectrum sensing, and detection & estimation theory. Dr Yılmaz has published over 75 scientific conference and journal articles. He is currently in the editorial board of IEEE Wireless Communications Letters and IEEE Transactions on Molecular, Biological, and Multi-Scale Communications. He is awarded as Exemplary Reviewers of the IEEE Wireless Communications Letters in 2014, 2017, and 2019. He has also served as a TPC Member for many IEEE conferences, such as IEEE GLOBECOM and ICC. He is a member of IEEE and TMD (Turkish Mathematical Society).

affiliated research center

TETAM: Telecommunications and Informatics Technologies Research Center (Teleiletişim ve Enformatik Teknolojileri Uygulama ve Araştırma Merkezi)

affiliated research lab

NETLAB: Computer Networks Research Laboratory



ARDA YURDAKUL

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keywords

Embedded Systems, Reconfigurable Computing, Accelerator design, In-memory databases, High-level Synthesis, Design Automation, FPGAs, Big Data processing, real-time processing, high performance computing

education

BS, Bogazici University, 1992
MSc, Bogazici University, 1994
PhD, Bogazici University, 1999

shortbio

Arda Yurdakul is an Associate Professor in Computer Engineering Department at Bogazici University. Dr. Yurdakul's research focus on the ways in which novel computing platforms and design tools are proposed for solving problems that require massive data processing, low energy consumption and high performance. Dr. Yurdakul leads two research laboratories at Bogazici University: Advanced Computer Architecture and Systems Laboratory, and Real-time Embedded Systems Laboratory which is established by National Scientific and Technological Research Organization of Turkey (TUBITAK). She is also among the founders of two research centers at Bogazici University: Energy Policies Research Center and Telecommunications and Informatics Technologies Research Center. Dr Yurdakul guided several research projects in tool development for application specific processor design, embedded systems, reconfigurable systems. She authored and co-authored numerous scholar and scientific papers in the related research field. She acts as one of the external experts in the Rethink Big project: Roadmap for European Technologies in Hardware and Networking for Big Data.

affiliated research center

TETAM (Teleiletişim ve Enformatik Teknolojileri Uygulama ve Araştırma Merkezi), EPAM (Enerji Politikaları Araştırma Merkezi)

affiliated research lab

CASLAB (Advanced Research Laboratory in Computer Architecture and Systems), RTES (Real-time Embedded Systems Laboratory) with TUBITAK BILGEM.

4. Electrical and Electronic Engineering

The Department of Electrical and Electronic Engineering at Boğaziçi University focuses its research programs in the areas of telecommunications and signal processing, electronics and MEMS, and control systems. The department has 25 full-time faculty members and over 120 graduate students pursuing research in these areas.

Current Research Activities and Laboratories

BUEE students and faculty conduct cutting-edge research in the following state-of-the-art laboratories:

BETA: Boğaziçi University VLSI Design Laboratory, The VLSI design laboratory is established in 1993 with the aim of conducting research in various aspects of the ever-growing field of Very Large Scale Integration and establishing links between industrial companies in order to meet their ASIC demands.

BUSIM: Boğaziçi University Signal and Image Processing Laboratory, BUSIM has a highly multi-disciplinary group of researchers conducting research on image processing, speech processing, statistical signal processing, video coding, machine vision, biomedical signal/image processing, and human machine interfaces.

ISL: Intelligent Systems Laboratory, ISL focuses on the design and implementation of automation systems for several applications, including automatic control and robotic applications.

LAL: Lung Acoustics Laboratory, LAL is another highly interdisciplinary research laboratory within the department that focuses on both hardware development for lung sound acquisition and diagnosis instrumentation and algorithm development for further processing of acquired lung sounds with the final aim of building an “intelligent stethoscope”.

Mechatronics Laboratory, The Mechatronics Laboratory deals with the design and production of automatic control processes for areas in the intersection of mechanical engineering and electronics engineering.

WCL: Wireless Communication Laboratory, Researchers at WCL conduct research on high-speed wireless/mobile/satellite communications and error control coding. Recent projects include research on free-space optical communications and molecular communications.

BUMEMS: Boğaziçi University Micro Electro Mechanical Systems Laboratory, The main focus of the lab is on polymer microfabrication, organic electronics and microfluidics and its applications to MEMS and electronic circuitry.

MNL: Micro Nano Characterization Laboratory, MNL deals with the design, modeling and experimental characterization of nanomechanical systems (NEMS), microelectromechanical (MEMS), micro-optomechanical systems (MOEMS), medical micro devices as well as analog and radio frequency (RF) microelectronic circuitries.

NECS: Networked and Embedded Control Systems Laboratory, NECS conducts interdisciplinary research primarily on mathematical system theory, networked control systems, wireless resource allocation and automotive control.

**BURAK ACAR**✉ acarbu@boun.edu.tr🌐 www.vavlab.boun.edu.tr**keywords**

Signal and Image Processing and Analysis, Medical Diagnostics/Prognostics, Brain Connectomes, Virtual Colonoscopy, Ultrasound Simulations, Industrial Diagnostics/Prognostics, Predictive Analytics

education

BS, Bilkent University, 1994
MS, Bilkent University, 1996
PhD, Bilkent University, 2000

shortbio

Dr. Acar received his BS, MS and PhD degrees, all in electrical and electronics engineering, from Bilkent University, Ankara, Turkey, in 1994, 1996 and 2000 respectively. His PhD thesis was on Electrocardiogram (ECG) signal processing for diagnostic decision making and risk stratification, during which he spent a year at University College London, St. George's Hospital Medical School, Dept. of Cardiac and Vascular Sciences, UK. He was at the Stanford University, Medical School, Dept. of Radiology, 3DQ Lab. (formerly 3D Lab) as a post-doc researcher between 2000 and 2003. He joined Bogazici University, Electrical and Electronics Eng. Dept, in 2003, where he is currently professor of EE. He was a Mercator Visiting Professor at TU Munich, Chair for Computer Aided Medical Procedures & Augmented Reality, Germany, between 2012-2013. His research interests lie in the field of signal and image processing and analysis with applications in various domains, including medicine, industry and finance. Some of the projects he was involved in include Computer Aided Detection/Diagnosis/Annotation for virtual colonoscopy, Computer Aided Annotation of Liver Images, Brain Connectome Analysis, Industrial Machinery Health Monitoring and Diagnostics/Prognostics. He is the director of VAVlab (Volumetric Analysis and Visualization Group) at Bogazici University, and the founding co-director of IRL@BOUN (Innovation Research Lab), a joint initiative of Bogazici University, Siemens and Siemens Healthineers. His publications and patents have received over 2000 citations in indexed publications. Dr. Acar is the recipient of the Excellence in Research Award from Bogazici University Foundation (2006) and the Young Researcher Award from Turkish Academy of Sciences (2008).

affiliated research center

Bogazici University, TETAM, Bogazici University, Center for Life Sciences and Technologies

affiliated research lab

VAVlab at Bogazici University, EE Dept, IRL@BOUN at Bogazici University, TETAM

**MEHMET AKAR**

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keywords	Control theory, cyber-physical systems, distributed decision making in complex systems, multi-agent networks, control theory applications in robotics, automotive and communication networks
education	BS, Bilkent University, 1994 MS, Bilkent University, 1996 PhD, The Ohio State University, 1999
shortbio	Mehmet Akar received the B.S. and M.S. degrees in electrical engineering from Bilkent University, Ankara, Turkey, in 1994 and 1996, respectively, and the Ph.D. degree in electrical engineering from The Ohio State University, Columbus, OH, USA, in 1999. He was with Yale University, New Haven, CT, USA; with the Communication Sciences Institute, University of Southern California, Los Angeles, CA, USA; and with the National University of Ireland, Maynooth, Ireland. He is currently a full professor at the Department of Electrical and Electronics Engineering, Bogazici University, Istanbul, Turkey. His research interests include hybrid systems and control theory, and their applications in robotics, automotive and communication networks.
affiliated research center	Mechatronics Research Center, Telecommunications and Information Technologies Research Center
affiliated research lab	Networked and Embedded Control Systems Laboratory

EMİN ANARIM

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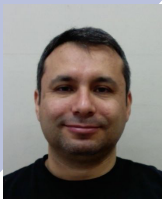
http://www.busim.ee.boun.edu.tr



keywords	Mobile Communications, Information Security, Cryptography, Signal And Image Processing, Big Data Processing
education	BS, Bogazici University, 1981 MS, Bogazici University, 1983 PhD, Bogazici University, 1985
shortbio	Emin Anarim is a Professor in the Electrical and Electronics Engineering Department of the Bogazici University in Istanbul, Turkey. Dr. Emin Anarim received his B.Sc. (First Class, Honours) and M.Sc. and Ph.D. degrees in Electronic and Electrical Engineering from Bogazici University -Istanbul, Turkey, in 1981 and 1983 and 1985 respectively. His current research interests are in the field of Multimedia Wireless Communication, Information and Network Security. He has published more than 190 papers carrying his name have appeared in various journals and conference proceedings. Dr. Emin Anarim is also presently an adjunct Professor of George Washington University. He has given several courses to industry and government institutions on Signal Processing, Video Coding, Secure Telecommunications, Mobile Communications, Lawful Interception Techniques in Telecommunications, Cryptographic Techniques and Network Security. He has frequently acted as a consultant for various telecommunications companies in Turkey.
affiliated research lab	BUSIM Lab.

**LEVENT ARSLAN**✉ arslanle@boun.edu.tr🌐 www.ee.boun.edu.tr

keywords	Human Computer Interaction, Speech Processing, Natural Language Understanding, Artificial Intelligence
education	BS, Bogazici University, 1991 MSc, Duke University, 1993 PhD, Duke University, 1996
shortbio	Professor Arslan has graduated from Bogazici University Electrical and Electronics Engineering department in 1991. Then he got MS and PhD degrees from Duke University Electrical Engineering department in 1993 and 1996. After graduation he worked at Entropic Research, Washington DC, as an R&D engineer between 1996-1998. Since 1998 he has been working at Bogazici University as a full-time professor. He has also started a speech R&D company, Sestek, in 2000. Sestek now has 70 employees, mostly R&D engineers. Prof. Arslan has 20 journal papers, 70 conference papers and 14 patents. His research interests are speech recognition, speech synthesis, voice biometrics and machine learning.
affiliated research center	BUSIM

**FAİK BAŞKAYA**✉ faik.baskaya@boun.edu.tr🌐 <http://esaki.ee.boun.edu.tr/~baskaya/>

keywords	Analog and digital IC design, FPGA, FPAA, Reconfigurable computing, Electronic Design Automation
education	BS, Bogazici University, 1997 MSc, Bogazici University, 2000 PhD, Georgia Institute of Technology, 2009
shortbio	Faik Baskaya received his BS & MS degrees in Electrical & Electronics Engineering from Bogazici University in 2000 and his PhD in Electrical & Computer Engineering from Georgia Institute of Technology in 2009. Since 2010, he has been an assistant professor at the Department of Electrical & Electronics Engineering in Bogazici University. His main research interests are in the fields of Electronic Design Automation, Integrated Circuit Design and Reconfigurable Computing.
affiliated research lab	BETA Lab



AYŞIN BAYTAN ERTÜZÜN

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<http://www.busim.ee.boun.edu.tr/~ertuzun/>



keywords

Statistical signal processing, Bayesian signal processing, distributed signal processing, blind signal processing, object tracking, adaptive signal processing and adaptive systems, texture analysis and pattern recognition

education

BS, Boğaziçi University, June 1981
MEng, McMaster University, January 1984
PhD, Boğaziçi University, October 1989

shortbio

Since 1988, Prof. Ayşin Ertüzün is with the Department of Electrical and Electronic Engineering, Boğaziçi University where she is currently a full professor. She is appointed as the vice rector in charge of research in November 2016. Dr. Ertüzün is an Electrical Engineer and her research activities focus on statistical signal processing and she specifically works on estimation, detection and object tracking problems. She is also interested in texture analysis and pattern recognition. She is affiliated with the Boğaziçi Signal and Image Laboratory (BUSIM) and Intelligent Systems Laboratory (ISL). She has authored and co-authored over 80 scientific papers in journals and conference proceedings on topics such as particle filters and Bayesian signal processing, alpha stable distributions, independent component analysis, texture defect detection and pattern recognition, application of statistical methods to defect detection problem, deconvolution and source separation, wind speed prediction, image denoising, 2-D lattice filters, adaptive signal processing, higher order statistics, wavelets and their applications. She is a member of IEEE Signal Processing and Communication Societies, IAPR –International Association of Pattern Recognition, IEICE – The Institute of Electronics, Information and Communication Engineers and TOTIAD – Turkish Pattern Recognition and Image Processing Society and on the editorial board of “Signal Processing” journal.

affiliated research center

Boğaziçi University Telecommunications and Informatics Technologies Research Center (TETAM)

affiliated research lab

Boğaziçi University Signal and Image Processing Lab (BUSIM) and Intelligent Systems Laboratory (ISL)



H. IŞIL BOZMA

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keywords	Robotic spatial learning and perception, multi-robot cooperation and coordination, game theory
education	BS, Electrical and Electronics Engineering, Bogazici University, 1983 MS, Electrical Engineering, Yale University, New Haven, CT 1986 PhD, Electrical Engineering, Yale University, New Haven, CT 1992
shortbio	H. Işıl Bozma received the B.S. degree in electrical and electronics engineering (Hons.) from Bogazici University, Istanbul, Turkey, in 1983 and the M.S. and Ph.D. degrees from Yale University, New Haven, CT, USA, in 1986 and 1992, respectively. Dr. Bozma then joined the Faculty of Electrical and Electronics Engineering at Bogazici University where she became a full professor in 2004. In 1996, she cofounded the Intelligent Systems Laboratory and has been the Director of the lab ever since. She has been a visiting researcher at the Advanced Technology Laboratory, University of Michigan, Ann Arbor, MI, and School of Engineering and Applied Science, University of Pennsylvania, Philadelphia, PA, USA. Her research interests include multirobot systems, robot vision and cognition, attentive robots, and game theory. She is the author or coauthor of more than 60 papers in referred journals or conference proceedings. She has served as a consultant in industrial projects on sensory-based automation. Dr. Bozma received the Francis Erbsmann Award at IPMI91, the 1997 Texas Instruments European Universities DSP Challenge 2nd Runner-Up Award, the Turkish Electronic Industrialists Society Innovation Award in 2004, and Bogazici University Academic Incentive Awards.
affiliated research center	Polymer Research Center
affiliated research lab	Intelligent Systems Lab (isl.ee.boun.edu.tr)



MUSTAFA KEMAL CILIZ

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www.mecha.ee.boun.edu.tr/ciliz.html 



keywords

Nonlinear Systems, Artificial Neural Networks, Intelligent Communication Networks, Information Security and telecommunications Policy

education

BS, EE Middle East Technical University, 1985

MS, EE Syracuse University, USA, 1987

MA, Economics Yale University, USA, 1993

PhD, EE Syracuse University, USA, 1990

shortbio

Prof. Dr. M. KEMAL CILIZ received the B.S degree in 1985 from Middle East Technical University, Turkey and M.S. and Ph.D. degrees in 1987 and 1990, respectively, from Syracuse University, USA, all in electrical engineering. He also received an M.A. degree in 1994 from Yale University, USA in International Economics. Since 1991, he has been with the Electrical and Electronics Engineering Department of Bogazici University, Istanbul, Turkey where he is currently a Professor. Between 1993 and 1994, he worked in the Center for Systems Science at Yale University and at University of California, Berkeley as a research engineer. After his return to Turkey, he worked as a consultant in the Turkish IT sector. Between 1997-2000, he was a consultant for Engineering Operations at Global One, an International Telecom Operator. Between 1995-1998, Dr. Ciliz had started three Information Technology companies in Istanbul. Between 2000-2002 he served as Managing Partner of Comnet, one of Turkey's first Internet Service Providers. He led the acquisition of Comnet by Borusan Holding of Turkey. One of the companies he started in 1995, Infonet Information Technologies, is still active today and one of the leading companies in the IT Security market. He is also the Chairman of the Board of Tursign AS, Turkey's first Certificate Authority for Digital Signatures, Chairman of the Board of Callpex AS, one of Turkey's leading callcenter companies. Prof. Ciliz is also active in various civil service organizations. He was the Chairman of TUBISAD (Informatics Industry Association) between 2012-2015 and he is a Board Member of TBV (Turkish Informatics Foundation) since 2006. Prof. Ciliz is a member of the engineering honor societies Eta Kappa Nu, Tau Beta Pi and a senior member of IEEE. His academic research interests are in Nonlinear and Adaptive Systems, Artificial Neural Networks and Network Security and he has more than 30 academic publications in these areas and has more than 1300 citations.

affiliated research center

Mechatronics Research Center

affiliated research lab

Control Systems Lab



OĞUZHAN ÇİÇEKOĞLU

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🌐 <http://www.ee.boun.edu.tr>

keywords

Current-mode circuits, analog circuits, filters, oscillators

education

BS, Bogazici University, 1985
MSc, Bogazici University, 1988
PhD, Istanbul Technical University, 1996

shortbio

Oğuzhan Çiçekoğlu received the B.Sc. and M.Sc. degrees from Bogazici University and the PhD. degree from Istanbul Technical University all in Electrical and Electronics Engineering in 1985, 1988 and 1996 respectively. He joined Electrical and Electronics Engineering Department of Bogazici University in 2001. Between 2007 and 2010 he was the Dean of Engineering at Corlu Engineering Faculty of Namik Kemal University, Turkey. During his period, four new undergraduate programs and several M.Sc. level programs are started. Between 2013 and 2016 he was the founding Dean of Engineering Faculty at Turkish-German University, Istanbul-Turkey. During his period, several new undergraduate engineering programs were established. Oğuzhan Cicekoglu served in organizing and technical committees of many national and international conferences. He was the guest co-editor of two previous Special Issues of the Analog Integrated Circuits and Signal Processing Journal. One of the publications he co-authored in IEEE Transactions on Circuits and Systems II-Analog and Digital Signal Processing was among the top cited papers listed in IEEE Circuits and Systems Society web page. He received the Research Excellence Award of Bogazici University Foundation in 2004. He served as the co-chair of Amplifiers and Comparators track in 50th IEEE Midwest-Newcas Joint Conference which is held in Montreal-Canada as a track chair in the 52th IEEE Midwest Symposium held in Cancun-Mexico. He is the author or co-author of about 150 papers published in scientific journals or conference proceedings and conducts review in numerous journals including Analog Integrated Circuits and Signal Processing, IEEE CAS-I, IEEE CAS-II, International Journal of Electronics, International Journal of Circuit Theory and Applications, IEE Proceedings Pt.G, ETRI Journal and several others. Oğuzhan Cicekoglu is a member of the IEEE and is the Associate Editor of International Journal of Electronics.

affiliated research lab

Bogazici University Electronics Design Laboratory (BETA Lab.)

**HAKAN DELİÇ**

delic@boun.edu.tr

<http://wcl.boun.edu.tr> **keywords** Smart grid, renewable integration, energy harvesting, wireless communications**education** BS, Bogazici University, 1988
MS, University of Virginia, 1990
PhD, University of Virginia, 1992**shortbio** Hakan Deliç received the B.S. degree (with honors) in electrical and electronics engineering from Boğaziçi University, Istanbul, Turkey, in 1988, and the M.S. and Ph.D. degrees in electrical engineering from the University of Virginia, Charlottesville, in 1990 and 1992, respectively. He was a Research Associate with the University of Virginia Health Sciences Center from 1992 to 1994. In September 1994, he joined the University of Louisiana at Lafayette, where he was with the Department of Electrical and Computer Engineering until February 1996. He was a Visiting Associate Professor in the Department of Electrical and Computer Engineering, University of Minnesota, Minneapolis, in 2001-2002, and a Visiting Professor in the Faculty of Electrical Engineering, Mathematics and Computer Science, Delft University of Technology, The Netherlands, in 2008–2009. He is currently a Professor in the Department of Electrical and Electronics Engineering at Boğaziçi University, where he has worked since July 1995. His current research focuses on smart grid, modeling and integration of renewable energy sources, as well as problems in communications and information theory.**affiliated research center** Teleiletişim ve Enformatik Teknolojileri Uygulama ve Araştırma Merkezi**affiliated research lab** Wireless Communications Laboratory



YAĞMUR DENİZHAN

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🌐 <http://www.ee.boun.edu.tr/Research/ResearchLabs/DSLlab/tabid/913/language/en-us/Default.aspx>

keywords

Chaos control, nonlinear dynamics, dynamic system modelling, biosemiotics

education

BS, Bogazici University, 1982
MSc, Bogazici University, 1984
PhD, Bogazici University, 1988

shortbio

Yagmur Denizhan is Professor of Electrical and Electronics Engineering at Bogazici University. Dr. Denizhan's research activities started in the field of robotics and eventually expanded to the fields of nonlinear dynamics, chaos control, dynamic system modelling, while her wider fields of philosophical involvement include social impacts of technology, cognitive science, biosemiotics and systems theory. She is a board member of TOK (Turkish National Committee for Automatic Control), a member of the Bertalanffy Center for the Study of Systems Science, a member of International Society for Information Studies and a board member of the International Society of Biosemiotic Studies. Dr. Denizhan is the Head of the Graduate Program in Systems and Control Engineering. Dr. Denizhan has over 40 research articles and conference papers on topics such as chaos control, chaos synchronization, dynamic system modelling, modelling of biological systems, and on interdisciplinary topics within the realm of cognitive science and biosemiotics.

affiliated research center

Bertalanffy Center for the Study of Systems Science

affiliated research lab

Dynamics Systems Laboratory



SEMA DUMANLI

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keywords	Antenna Design, Body Area Networks, Wearable and Implantable Sensors, M-Health, IoT, MIMO
education	BSc, Middle East Technical, 2006 PhD, Bristol University, 2010
shortbio	Sema Dumanli received the BSc degree in electrical and electronic engineering from Orta Dogu Teknik Universitesi, Ankara Turkey in 2006 and the Ph.D. degree from University of Bristol, Bristol, UK, in 2010. She had worked in Toshiba Research Europe, Bristol UK as a research engineer and a senior research engineer from August 2010 to January 2017. She is currently an Assistant Professor at Bogazici University, Istanbul Turkey and serves on the Management Board of Boun LifeSci. Her current research interests include antenna element and array design for body area networks, implantable and wearable devices, mHealth, and MIMO communications.
affiliated research center	Center for Life Sciences and Technologies, Telecommunications and Informatics Technologies Research Center
affiliated research lab	BOUNtenna, BETA

GÜNHAN DÜNDAR

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keywords	Analog integrated circuit design, Computer aided design
education	BS, Bogazici University, 1989 MS, Bogazici University, 1991 PhD, Rensselaer Polytechnic Institute, 1994
shortbio	Günhan DüNDAR is a professor with the Electrical and Electronic Engineering Department. His scholarship and research focuses on analog integrated circuit design and design methodologies/design automation algorithms for analog integrated circuits. He has held faculty appointments in the Naval Academy of Turkey and visiting professor positions at EPFL, Switzerland and TU Munich, Germany. He has received several awards including the TUBITAK encouragement award. Dr. DüNDAR has published over 50 research and scholarly articles in international journals and more than 150 international conference papers as well as several book chapters and one book. He has designed or participated in the design of more than 10 integrated circuits, mostly operating in the analog domain. He has advised 17 PhD theses to completion as well as close to 100 MS theses. These studies are focused on the design of analog integrated circuits for various application domains such as neural network circuits, analog to digital converters, sensor interfaces, or RF circuits. Also, development of computer aided design tools and methodologies for analog integrated circuits are addressed in these works.
affiliated research lab	Boğaziçi University Electronic Design Research Lab (BETA Lab)



MUTLU KOCA

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keywords

Wireless communications, optical communications, wireless networks, LTE/LTE-A/5G, energy harvesting, ultra-wideband communications, power line communications, signal processing, information theory

education

BS, EE, Bogazici University, 1996
BS, Physics, Bogazici University, 1996
MS, EE, University of California-Davis, 2000
MS, Applied Math, University of California-Davis, 2000
PhD, EE, University of California-Davis, 2001

shortbio

Mutlu Koca received his B.S. degrees in electrical engineering and physics from Boğaziçi University in 1996, and M.S. degrees in electrical engineering and applied mathematics and Ph.D. degree in electrical engineering from the The University of California at Davis (UC-Davis) in 2000 and 2001, respectively. Dr. Koca worked as a lecturer and post-doctoral researcher at the Department of Electrical and Computer Engineering of UC-Davis between 1998 and 2001. From 2001 to 2003, he was a member of the technical staff at Flarion Technologies, NJ, USA. Between 2003-2004, he was a research fellow at the Institut de Recherche en Informatique et Systèmes Aléatoires (IRISA), in Rennes, France, before joining Bogazici University as a faculty member in 2004. During 2010-2011 academic year, he was a visiting professor at L'Ecole supérieure d'électricité (SUPELEC), Paris France. Dr. Koca's research has been supported by the EU Framework Programs, TUBITAK, State Planning Agency, Boğaziçi University Research Fund and various industrial contracts.

affiliated research center

Teleiletişim ve Enformatik Teknolojileri Uygulama ve Araştırma Merkezi (TETAM), Bogazici Universitesi Sinyal İşleme Merkezi (BUSIM)

affiliated research lab

Bogazici University Wireless Communications Laboratory (WCL)

**ŞENOL MUTLU**

senol.mutlu@boun.edu.tr

<http://www.bumems.ee.boun.edu.tr/> **keywords**

Micro Electro Mechanical Systems (MEMS), Microfluidics, BioMEMS, Polymer Thin Film Microfabrication, Thin film transistors, Organic Electronics, Polymer Light Emitting Diodes, Integrated Wireless Sensors and Actuators, Electrochemical Etching and Deposition for Nano/Micro Patterning, Energy Harvesting

education

BS, University of Southern California, Los Angeles, 2000
MSc, University of Michigan, Ann Arbor, 2002
PhD, University of Michigan, Ann Arbor, 2005

shortbio

Senol Mutlu received his B.S. degree in Electrical Engineering (Computers) from the University of Southern California, Los Angeles in 2000 and his M.S. and Ph.D. degrees in Electrical Engineering from the University of Michigan at Ann Arbor, in 2002 and 2005, respectively. He is currently a full time professor at the Department of Electrical-Electronics Engineering at Bogazici University. Dr. Mutlu is the founder and director of Bogazici University Micro Electro Mechanical Systems (BUMEMS) laboratory. He also served on the advisory board of TUBITAK Electrical-Electronics & Information Research Group (EEEAG) from 2012 to 2014. He is the recipient of ODTÜ Prof. Dr. Mustafa Parlar Research Encouragement Award of 2014 and The Science Academy Young Scientist Award (BAGEP) of 2015 in Turkey. Dr. Mutlu has been the principal investigator and researcher for 8 different TUBITAK 1001 and 1003 research projects, principal investigator of 8 different Bogazici Research Fund projects and one European Union COST project. Dr. Mutlu has 27 international journal papers, 20 of which are in science citation index (SCI). He supervised 15 master and 2 Ph.D. theses. According to Google Scholar as of April 2019, he has an h-index of 15 and total citations of 821.

**affiliated research
lab**

Bogazici University Micro Electro Mechanical Systems (BUMEMS) laboratory

**AHMET ÖNCÜ**✉ ahmet.oncu@boun.edu.tr🌐 <http://esaki.ee.boun.edu.tr/~oncu/>**keywords**

Sensors, RF, Power Electronics, Energy, Internet of Things (IoT)

educationBS, Middle East Technical University, 2001/2002
MS, Technical University of Munich, 2004
PhD, Tokyo University, 2008**shortbio**

Dr. Oncu is an associate professor at the Department of Electrical and Electronics Engineering, Bogazici University, Istanbul, Turkey. He received the B.S. degree in physics and the B.S. degree in electrical and electronics engineering from Middle East Technical University (METU), Ankara, Turkey, in 2001 and 2002, respectively. He received the M.S. degree in microwave engineering from the Technical University of Munich, Germany, in 2004. He received the PhD degree in frontier sciences from the University of Tokyo, Japan, in 2008. From 2008 to 2010 he worked as a postdoctoral research associate at the department of electrical and electronics engineering, the University of Tokyo. He was a visiting researcher at Graduate School of Advanced Sciences of Matter, Hiroshima University between 2009 and 2010. He joined to the Department of Electrical and Electronics Engineering, Bogazici University, Istanbul, Turkey in 2010. Dr. Oncu received outstanding student design award in IEEE International Asian Solid-State Circuit Conference in 2008. His research interests are in designs of sensor systems and hardware.

affiliated research center

Bogazici University, Department of Electrical and Electronics Engineering

affiliated research lab

Communications Measurement Laboratory



YASEMİN PALANDUZ KAHYA

kahya@boun.edu.tr

<http://www.ee.boun.edu.tr/People/Faculty/YaseminKahya.aspx>



keywords

Electronic Instrumentation for Physiological Variables, Signal Processing Applications in Biomedical Engineering, Pulmonary Acoustics

education

BS, Bogazici University, 1980
MSc, Yale University, 1981
PhD, Bogazici University, 1987

shortbio

Yasemin Palanduz KAHYA received the B.S. degrees both in Electrical Engineering and in Physics from Bogazici University in 1980, graduating with the highest honors from both the School of Engineering and the School of Arts and Sciences. She received M.S. degree in Engineering and Applied Sciences from Yale University in 1981 and Ph.D. degree in Biomedical Engineering from Bogazici University in 1987. She is currently a professor and chair in the Department of Electric and Electronic Engineering at Bogazici University where she has been teaching since 1987 and a member of the executive committee of the Institute of Biomedical Engineering of Bogazici University. She has served as an at-large representative in the IEEE EMBS Administrative committee for two years and was the program co-chair of the 23rd Annual International Conference of the IEEE-EMBS that was held in Istanbul. Her current research interests are in the area of designing and building of electronic instrumentation for physiological variables along with signal processing applications in biomedical engineering with a special emphasis on respiratory acoustics, in which area she has published and completed projects extensively. Her current research project is the design of an "intelligent stethoscope". She has also recently founded a company in the area of pulmonary acoustics instrumentation. Scholarships Offered: She has been offered full scholarships for undergraduate education at Stanford University, MIT, Yale University and Caltech and fellowships for graduate education at Yale University and Princeton University. She received scholarship throughout her undergraduate and graduate education from the Turkish Scientific and Technological Research Foundation after placing first in both national mathematical and physics competitions.



ALİ EMRE PUSANE

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keywords	Digital Communications, Error Control Coding, Wireless Communications, Communication Networks, Nanonetworks
education	BSc, Istanbul Technical University, 1999 MSc, Istanbul Technical University, 2002 MSc, University of Notre Dame, 2004 MSc, University of Notre Dame, 2006 PhD, University of Notre Dame, 2008
shortbio	Ali E. Pusane received the B.Sc. and M.Sc. degrees in electronics and communications engineering from Istanbul Technical University, Istanbul, Turkey, in 1999 and 2002, respectively, and the M.Sc. degree in electrical engineering, the M.Sc. degree in applied mathematics, and the Ph.D. degree in electrical engineering from the University of Notre Dame, Notre Dame, IN, in 2004, 2006, and 2008, respectively. He was a Visiting Assistant Professor at the Department of Electrical Engineering, University of Notre Dame, during 2008-2009, after which he joined the Department of Electrical and Electronics Engineering, Bogazici University, Istanbul, Turkey. His research interests are in the general area of digital communications. Specific areas of interest include molecular communications, novel wireless communication standards (including visible light, cellular, and satellite communications), physical layer security, machine learning applications in signal processing, error control code design and analysis, data storage systems, optimization problems in wireless communications, signal identification/localization, and wireless communications security.
affiliated research center	Telecommunications and Informatics Technologies Research Center (TETAM)
affiliated research lab	Wireless Communications Laboratory (WCL), Nanonetworking Research Group (NRG)

**MURAT SARAÇLAR**

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<http://busim.ee.boun.edu.tr/~murat> 🌐**keywords** Speech Processing, Natural Language Processing, Machine Learning**education** BS, Bilkent University, 1994
MS, Johns Hopkins University, 1997
PhD, Johns Hopkins University, 2001**shortbio** Murat Saraçlar received his B.S degree in 1994 from the Electrical and Electronics Engineering Department at Bilkent University, M.S.E. degree in 1997 and Ph.D. degree in 2001 from the Electrical and Computer Engineering Department at the Johns Hopkins University. From 2000 to 2005, he was with the multimedia services department at AT&T Labs Research. In 2005, he joined the Boğaziçi University Electrical and Electronic Engineering Department where he is currently a professor. He was a visiting research scientist at Google Inc, New York (2011-2012) and an academic visitor at IBM T.J. Watson Research Center (2012-2013). Dr. Saraçlar was awarded the AT&T Labs Research Excellence Award in 2002, the Turkish Academy of Sciences Young Scientist (TUBA-GEBIP) Award in 2009, and the IBM Faculty Award in 2010. He has more than 100 publications in journals and conference proceedings. Prof. Saraçlar is a member of the IEEE Signal Processing Society Speech and Language Technical Committee (2007–2009, 2015-). He served as an associate editor for IEEE Signal Processing Letters (2009-2012) and IEEE Transactions on Audio, Speech, and Language Processing (2012-2016). He was on the editorial board of Language Resources and Evaluation (2012-2016) and he is a member of the Computer Speech and Language journal editorial board (2012-). He is currently the chair of IEEE Signal Processing Society Turkish Branch.**affiliated research center** TETAM**affiliated research lab** BÜSİM

**Ş. SELİM ŞEKER**✉ seker@boun.edu.tr🌐 www.boun.edu.tr**keywords**

Electromagnetic Fields and Compatibility, Propagation and Scattering of Electromagnetic Waves, Biological Effects of Waves, Remote Sensing of Vegetation, and other related areas

education

BS, Yıldız Teknik University, 1972
MSc, The George Washington University, 1978
PhD, The George Washington University, 1982

shortbio

Prof.Dr. Selim Seker completed his MS and Ph.D. degrees, in 1978 and 1982 from the George Washington University(GWU), He has been working in the area of microwave remote sensing, propagation, scattering and biological effect of Electromagnetic Fields. He conducted research in the area of Electromagnetic propagation through forests at CyberCom Corporation, VA, USA. In summer of 1986, he worked on the problem of EM scattering and absorbers at BBC Baden Switzerland. On his sabbatical leave 1990-1992, and 2006-2007 he taught several different courses at GWU, and conducted one year theoretical and experimental research. He has published several journal and conference papers, books, and reports. He has been working at Bogaziçi University Electrical-Electronics Eng. Dept., Istanbul, TURKEY.

**ARDA DENİZ YALÇINKAYA**✉ arda.yalcinkaya@boun.edu.tr🌐 <http://esaki.ee.boun.edu.tr/~adenizy>**keywords**

Microsystems, Photonics, Microelectromechanical Systems (MEMS), Metamaterials, Integrated Circuits

education

BS, İstanbul Technical University, 1997
MSc, Technical University of Denmark, 1999
PhD, Technical University of Denmark, 2003

shortbio

Arda D. Yalcinkaya received a B.S. degree from İstanbul Technical University (ITU), Electronics and Telecommunication Engineering Department, İstanbul, Turkey, M.Sc. and Ph.D. degrees from Technical University of Denmark (DTU), Department of Micro and Nano Technology (MIC), Kgs. Lynby, Denmark, all in Electrical Engineering in 1997, 1999 and 2003, respectively. Between 1999 and 2000 he was a research and development engineer at Aselsan Microelectronics, Ankara, Turkey. He had short stays as a visiting researcher at Interuniversity Microelectronic Center (IMEC), Leuven, Belgium, Centro Nazionale de Microelectronica (CNM), Barcelona, Spain in 2000 and 2003. Between 2003 and 2006, he was a post-doctoral research associate at Koc University, İstanbul. During that period he served as a consultant to Microvision Inc., Seattle, USA. He has been a faculty member of the Department of Electrical and Electronics Engineering, Bogazici University, İstanbul, since 2006, where he is currently an Associate Professor. His research interests include photonics, metamaterials, microelectromechanical systems and analog integrated circuits. Dr. Yalcinkaya was a recipient of the Sabanci Foundation (VAKSA), Turkish Education Foundation (TEV) scholarships during his studies. He received Boğaziçi University Foundation Excellence in Research Award, Middle East Technical University (METU) Mustafa Parlar Foundation Research Encouragement Award and Turkish Academy of Sciences (TÜBA), Distinguished Young Scientists Award (GEBİP) in 2010, 2011 and 2013, respectively.

**HEBA YÜKSEL**heba.yuksel@boun.edu.tr ✉<http://powcol.boun.edu.tr> 🌐**keywords**

Atmospheric turbulence, transmitter/receiver design, aperture averaging, and image sensing for Free-Space Optical Communication links, Visible Light Communication, physical layer security in optical fiber communication systems, 3D surface topography using optical systems, design of optical touch sensors, optical temperature sensors and antennas.

education

BS, University of Maryland at College Park (UMCP), 1996
MS, Stanford University, 1998
PhD, University of Maryland at College Park (UMCP), 2005

shortbio

Dr. Yüksel received a BS degree in Electrical Engineering from the University of Maryland at College Park (UMCP) in 1996, M.S. degree in Electrical Engineering from Stanford University in 1998 and Ph.D. degree in Electrical Engineering from UMCP in 2005. In 2005, she was a postdoctorate research associate at UMCP. In 1998, she worked as a system engineer at Conexant Systems, Newport Beach, California. Between 1999 and 2002, she worked as a hardware design engineer at Ciena Corporation in Linthicum, Maryland. She is currently an assistant Professor of Electrical and Electronics engineering at Bogazici University, Istanbul, Turkey. Dr. Yüksel is also the Erasmus/Exchange coordinator within the department. Dr. Yüksel has published numerous conference and Journal papers as well as managed projects mainly in the field of Optics & Photonics as well as in the design and security issues of optical communication links. Since 2012, Dr. Yüksel has been serving in the organizing committee of the SPIE Optics & Photonics conference which is held annually in San Diego, California.

affiliated research lab

Photonics and Optical Wireless Communication Laboratory (POWCOL)

5. Industrial Engineering

Industrial Engineering involves developing and applying scientific approaches for designing more efficient and cost-effective manufacturing and service systems. It not only take the physical aspects of such systems into consideration, but also focuses on organization, planning, material-information flow, man-machine interaction and quality assurance aspects. In that respect, it serves as a bridge between the technical and administrative functions of an enterprise.

Full-time faculty members of the department hold PhD degrees from distinguished universities in USA, Europe and Turkey. The department also enjoys participation of part-time faculty members from business world as they make a valuable contribution to the educational diversity. Additionally, the department often hosts visiting faculty members and researchers from abroad.

Research Fields, Faculty members and research staff are engaged in a wide range of research topics and approaches, which includes, but not limited to; algorithmic and structural graph theory, business analytics, data mining, and data analytics, computer-aided manufacturing systems, dynamics of socio-economic systems, ergonomics, workplace safety and productivity, financial modelling, forecasting, logistics planning, long-term policy analysis and planning for energy markets, Monte Carlo simulation for financial risk quantification, optimization and heuristics design, simulation games, systemic complexity and learning, supply chain management.

Research Laboratories and Groups, There are 5 research laboratories and 4 research groups active within the Industrial Engineering Department, which are as follows;

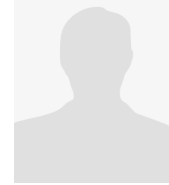
Research Laboratory/Group	Keywords
Energy Systems Modeling Lab	Integrated Energy Systems Modelling, TIMES/MARKAL, Demand Forecasting, Energy and Climate Policy
Ergonomics Lab	Human Factors, Human-Computer Interaction, Physical Capabilities, Cognitive Capabilities, Musculoskeletal Disorders, Anthropometry, Design for Turkish population
Flexible Automation and Intelligent Manufacturing Lab	Industry 4.0, Virtual Twin, Design and Management of Auto-guided Material Handling Systems, Distributed Shop Floor Control, Simulation of Advanced Production Systems
Socio-Economic System Dynamics Lab	Systems theory, system dynamics method, socio-economic problems, long-term dynamics and policy analysis, agent-based modeling, simulation
Manufacturing Management Systems Lab	Production and Supply-chain Management, Responsive Planning, Supply Chains for Multi-sided Markets, Value-added Services for Sellers in Two-sided Markets
Location/Allocation Theory and Practice Group	Network optimization, sensory networks, supply chain network design
Quantitative Finance Research Group	Monte Carlo simulation, derivatives pricing, portfolio optimization, risk quantification
Scheduling and Planning in Distributed Environments Group	Production Planning, Scheduling, Large-scale Optimization, Distributed Systems, Visual Algorithm Modeling, Object-oriented Design



KUBAN ALTINEL

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keywords

Linear and combinatorial optimization, location theory, wireless sensor networks, mathematical programming applications in statistics, logistics and artificial neural networks

education

BSc, Dept. of Industrial Eng., Istanbul Technical University, 1982
MSc, Dept. of Industrial Eng., Columbia University, 1985
MSc, Dept. of Industrial Eng., University of Pittsburgh, 1989
PhD, Dept. of Industrial Eng., University of Pittsburgh, 1990

shortbio

İ. Kuban Altinel was born in İstanbul, Türkiye, on July 24, 1959. He graduated from Galatasaray high school in 1978. He received the B.Sc. degree in Industrial Engineering from İstanbul Technical University, İstanbul, in 1982, the M. Sc. degree in Operations Research from Columbia University, New York City, in 1985, the M. Sc. degree in Industrial Engineering and the Ph. D. degree in Operations Research from the University of Pittsburgh, Pittsburgh, in 1989 and 1990. He joined the Department of Industrial Engineering at Boğazici University, İstanbul, in 1991 and worked as an assistant professor of Operations Research until 1994. He was an associated professor of Operations Research in the same department until 1999. He has been a professor ever since. His research interests include linear and combinatorial optimization, location theory, wireless sensor networks, mathematical programming applications in statistics, logistics and artificial neural networks.

NECATİ ARAS

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keywords

Location-Allocation, Routing, Logistics, Optimization based on Mathematical Programming, Metaheuristics, Data Mining, Business Analytics

education

BS, Mechanical Engineering, Bogazici University, 1993
BS, Industrial Engineering, Bogazici University, 1993
MSc, Industrial Engineering, Bogazici University, 1994
PhD, Industrial Engineering, Bogazici University, 1999

shortbio

Necati Aras graduated from the Department of Mechanical Engineering and Department of Industrial at Boğaziçi University in 1993. He received his master's and doctorate degree at the Department of Industrial Engineering of the same university in 1994 and 1999, respectively. He worked as a Quality Assurance Engineer at Türk Elektrik Endüstri A.Ş. (now Arçelik Inc.) between 1994-1998 and as a Trainer / Consultant at İdea Inc. between 1998-2000. His expertise was mainly in Total Quality Management, Process Management and EFQM Excellence Model. During the period of 2001-2003 he was a postdoctoral researcher at the Management Science area of the Department of Business Administration, McGill University, Canada. He joined the Department of Industrial Engineering of Boğaziçi University in 2003. His research interest focuses on topics such as solving optimization problems arising in production and service industries using exact and metaheuristic methods, and data analytics techniques. He has published more than 50 papers and book chapters in scientific journals, and his h-index is 22, 24, and 28 based on Web of Science, Scopus, and Google Scholar, respectively.

affiliated research center

TETAM



YAMAN BARLAS

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keywords

System dynamics methodology, Systems theory, Modeling of socio-economic systems, Validity and evaluation of simulation models, Medical and Health Applications, Simulation as a learning/training tool

education

BS, Middle East Technical Univ., 1978
MS, Ohio University, 1980
PhD, Georgia Inst. of Tech., 1985

shortbio

Yaman Barlas received his B.S., M.S. and Ph.D. degrees in Industrial and Systems Engineering. Upon receiving his Ph.D. from Georgia Institute of Technology in 1985, he joined and eventually received tenure at Miami University of Ohio. He returned to Boğaziçi University in Istanbul in 1993, where he is still working as a professor of Industrial Engineering and directing the SEDYN research laboratory (<http://www.ie.boun.edu.tr/labs/sesdyn/>). His interest areas are credibility of simulation models, system dynamics method, systems science, modeling of socio-economic and medical problems, and simulation as a learning/training platform. Prof. Barlas teaches simulation, system dynamics, systems science and advanced dynamic systems modeling. He has several teaching excellence awards. He is a founding member and a former President of the System Dynamics Society, and has various editorial roles in different publications, including Executive Editor of System Dynamics Review.

affiliated research lab

SESDYN Laboratory



MUSTAFA GÖKÇE BAYDOĞAN

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keywords

•Applications Temporal data mining: Time series analysis, Image analysis Biomedical informatics: Epigenomic data modeling and analysis, Brain network modeling Mining massive, multivariate data sets: Multi-modal data fusion, Process modeling, Large scale communication network data mining •Methodologies oStatistical learning: Non-parametric statistics, Tree-based learning, Ensemble learning

education

BS, IE, Middle East Technical Univ., 2006
MS, IE, Middle East Technical Univ., 2008
PhD, IE, Arizona State University, 2012

shortbio

Mustafa is an assistant professor of Industrial Engineering at Boğaziçi University and Scientific Advisor at Invent Analytics. Mustafa received his Ph.D. in Industrial Engineering from Arizona State University in 2012. He later joined Security and Defense Systems Initiative at Arizona State as a postdoctoral fellow. Mustafa's research mainly focuses on large-scale data mining, time series analysis and pattern discovery.



ÜMIT BİLGE

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keywords

Machine and project scheduling; Design, planning and control of production systems; Manufacturing flexibility; FMS and automated guided vehicle systems; Mathematical modeling; Meta-heuristic and math-heuristic methods in optimization

education

BS, IE, Boğaziçi University, 1982
MS, IE, Boğaziçi University, 1984
PhD, IE, Boğaziçi University, 1991

shortbio

Ümit Bilge is a faculty member at the Industrial Engineering Department, Bogazici University, Istanbul, Turkey where she served as the Chairperson during 2011-2014. Her current research focuses on project and machine scheduling, production planning and control, and especially on design, planning and control of production systems with manufacturing flexibility. In 2000, she founded BUFAIM (Bogazici University Flexible Automation and Intelligent Manufacturing Systems) Laboratory and she has been directing the Lab since then. Over the years, BUFAIM has accumulated a substantial level of knowledge regarding the manufacturing flexibility concept and significant experience in the fields of modelling, simulation and real-time management of manufacturing systems through many graduate thesis work, as well as national and international projects. Umit Bilge has published research articles in journals such as Operations Research, Computers and OR, European Journal of Operational Research, International Journal of Production Economics, International Journal of Production Research, and Journal of Manufacturing Systems.

affiliated research lab

BUFAIM (Bogazici University Flexible Automation and Intelligent Manufacturing Systems) Laboratory

TANER BİLGİÇ

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keywords

Decision making, game theory, supply chains, service systems, e-marketplaces, airline operations, production and distribution systems

education

BS, METU, 1987
MS, METU, 1990
PhD, University of Toronto, 1995

shortbio

Taner Bilgiç joined Boğaziçi University as a professor of Industrial Engineering in 1997. His research interests include decision analysis, optimization and game theory and their applications in supply/value chains, airlines, e-marketplaces and service systems. He is the director of Manufacturing Management Systems Laboratory that concentrates on planning and optimization of manufacturing value chains. Taner Bilgiç also served as the Vice Provost for International Relations at Boğaziçi University between 2009-2017. He has been instrumental in expanding the international academic programs of Boğaziçi University that includes innovative forms of academic cooperation with outstanding universities of the world.

affiliated research lab

Manufacturing Management Systems Laboratory



TINAZ EKİM AŞICI

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keywords

Algorithmic and Structural Graph Theory, Combinatorial Optimization, Network Problems

education

BS, University of Science and Technology of Lille, 1999
BS, Galatasaray University, 2001
MSc, Dauphine University, 2002
PhD, Swiss Federal Institute of Technology at Lausanne, 2006

shortbio

Tınaz Ekim is the recipient of 3 bilateral grants with France and Slovenia, as well as the TÜBİTAK Career Grant. She is the recipient of TÜBA-GEBİP Outstanding Young Scientist Award in 2016. Tınaz Ekim obtained the Fulbright scholarship for sabbatical studies in 2017. She co-organized two important international conferences : Workshop on Graph Theoretical Concepts in Computer Science (WG) 2016 in İstanbul and Structural Information and Communication Complexity (SIROCCO) 2010 in Şirince. She is also one of the organizers of the yearly Graph Theory Workshop in İstanbul. Her research interests are algorithmic and structural graph theory, combinatorial optimization and computational complexity with a focus on matching, domination and coloring problems, as well as graph classes and extremal graph theory.



MAHMUT EKŞİOĞLU

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keywords

Ergonomics, Human Factors Engineering, Human Computer and Technology Interaction, Occupational Health and Safety, Vehicle Ergonomics, Ergonomic Product Design, Applied statistics

education

BS, Mechanical Engineering, Yıldız Technical University, 1981
MS, Aerospace Engineering, Wichita State University, (U.S.A.), 1990
MS, Industrial Engineering, Wichita State University, (U.S.A.), 1992
PhD, Industrial Engineering, Wichita State University, (U.S.A.), 1996

shortbio

Professor Ekşioğlu is an expert in Ergonomics and Human Factors Engineering, Occupational Safety and Health Engineering and Management, and Applied Statistics. He has been working in these fields since 1992 as an instructor, researcher and consultant. He received his PhD in industrial engineering in 1996 from Wichita State University (USA). He holds a BS in Mechanical Engineering (Turkey), and MS degrees in Aerospace and Industrial Engineering both in the USA. He also has incomplete studies in Philosophy and Mathematics. Before joining Boğaziçi University in 2005, he served four years as a full-time faculty member at the department of Industrial engineering of University of Michigan and one year at Morgan State University (USA). Prior to academia, he worked as a research scientist at NIOSH (US National Institute for Occupational Safety and Health), and as a consultant in ergonomics and occupational safety and health at Advanced Ergonomics, Inc. (Dallas, USA). The companies he served include Texas Instruments, Intel, Case Corporation and smaller companies. During his service at Boğaziçi University, he established BU Ergonomics Laboratory which can be considered, in a real sense, the first ergonomics laboratory in Turkey. In this lab, he carried out a number of research studies with his students and established an ergonomics database for the population of Turkey. This database can be used by designers to design safer and more productive workplaces, tools, machines, products, clothing and living places for the population of Turkey. Some of these studies were supported by TÜBİTAK (The Scientific and Technological Research Council of Turkey). Dr. Ekşioğlu published over 65 articles in journals and conference proceedings as well as several book chapters in the areas of ergonomics and safety. He is also the inventor of the patented "Turkish E-Keyboard", which has got the attention of the Turkish media. The keyboard is a Turkish Standard (TS 13771/2017).

affiliated research lab

Ergonomics Laboratory

**REFİK GÜLLÜ**✉ refik.gullu@boun.edu.tr🌐 <http://www.ie.boun.edu.tr/>**keywords**

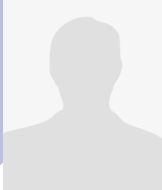
Stochastic Models, Manufacturing and Service Systems, Inventory Planning, Demand Forecasting, Quantitative Finance

education

BS, Middle East Technical University, 1987
MS, Middle East Technical University, 1989
MS, Cornell University, 1992
PhD, Cornell University, 1993

shortbio

Dr. Gullu is a Professor of Industrial Engineering at Bogazici University. Prior to joining Bogazici in 2005, he was a faculty member at Middle East Technical University. Dr. Gullu is mainly interested in stochastic models of production and inventory system and financial decision making. Dr. Gullu has participated in many applied research projects, mainly in the areas of production and inventory planning, logistics and forecasting. Dr. Gullu has published articles in leading journals, such as, Operations Research, Transportation Science, Manufacturing and Service Operations Management, Journal of Applied Probability, Stochastic Models, OR Letters, European Journal of Operations Research, Annals of OR, Telecommunications Systems, IIE Transactions, IJPE, Naval Research Logistics. Dr. Gullu serves as an associate editor for the journals Naval Research Logistics and OR Spectrum. He served as the chair of the Mathematical Modeling section of International Society for Inventory Research. He currently serves as the chair of Financial Engineering M.S. program at Bogazici University.

**WOLFGANG HÖRMANN**✉ hormannw@boun.edu.tr🌐 <http://www.ie.boun.edu.tr/~hormannw>**keywords**

Methods of stochastic simulation, Random Variate Generation, Variance Reduction techniques, financial simulation agent based disease spread models

education

Study of Mathematics at the University of Vienna, 1983-89
MS, Mathematics, 1987
PhD, Mathematics, 1989

shortbio

1988-96 Assistant at the department of statistics of the university of economics and BA Vienna
1996 Habilitation (Associate Professor)
since 1997 Associate Professor at the department of Industrial Engineering, Boğaziçi University Istanbul



İLHAN OR

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<http://www.ie.boun.edu.tr/?q=faculty/ilhan-or>



keywords Linear optimization, Risk management, Energy policy and planning

education BS, IE, Northwestern University, 1973
MS, IE, Northwestern University, 1974
PhD, IE, Northwestern University, 1976

shortbio İlhan Or obtained his B.S., M.S. and Ph.D. degrees from the Industrial Engineering Department at Northwestern University (Evanston, U.S.A.). He has been a faculty member at Boğaziçi University Industrial Engineering Department since 1976; he has also held various administrative positions at Boğaziçi University, including the Directorship of the Graduate School of Science and Engineering (2006-), Senatorship at the University's Senate (2006 -), membership at the University Steering Committee (2012 -) and Chairmanship of the Industrial Engineering Department (between 1994-98 and 2003-06). In the 1983-84 period, he was employed at the Syracuse University (New York – U.S.A.) and at the University of Maryland (Maryland – U.S.A.) as a visiting professor. He has received his Associate Professor and Professor titles in 1984 and 1991 respectively. Major fields of research and teaching interest of İlhan Or are linear optimization, risk analysis and management and operations research applications in energy planning. He has published many articles in international scientific journals and made numerous presentations in international and national scientific meetings, in these areas. He has also conducted continuing education and training seminars and worked as a consultant to industry in his fields of interest. İlhan Or served as an Associate Editor of Naval Research Logistics Journal in the 1993-2004 period. He is a founding member of the Energy Economics Association of Turkey and of the Solid Waste Turkish National Committee; he is a member of the Global Relations Forum, the Turkish Statistics Society and the Operations Research Society of Turkey.

affiliated research lab IE Department, Energy Systems Modelling Lab

Z. CANER TAŞKIN

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keywords Optimization, integer programming, graphs, network flows, planning, scheduling, telecommunications, medical optimization, decision support systems, decentralized decision making

education BS, Bogazici University, 2003
MSc, Bogazici University, 2005
PhD, University of Florida, 2009

shortbio Dr. Z. Caner Taşkın is a professor in the Department of Industrial Engineering at Boğaziçi University. He received his B.S. and M.S. degrees in industrial engineering from Boğaziçi University in 2003 and 2005, respectively, and his Ph.D. degree in industrial and systems engineering from the University of Florida in 2009. He has been named the recipient of the 2010 Pritsker Doctoral Dissertation Award given by the Institute of Industrial Engineers (IIE). His research is mainly focused on integer programming and hybrid decomposition algorithms with applications in medicine, telecommunications, and large-scale planning/scheduling. Dr. Taşkın is also involved in the design and development of ICRON Advanced Planning and Scheduling software. His work on real-world industrial applications has received the best IE/OR Application Award at YA/EM 2012 and has been selected as a finalist for EURO Excellence in Practice Award in 2015.

affiliated research lab SPIDER Research Group (Co-founder)



HAKAN YAŞARCAN

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🌐 <https://goo.gl/IL055f>

keywords

Systems modelling and simulation, System dynamics methodology, Interactive simulation games, Decision making in complex dynamic systems, Goal formation and adaptive goal setting structures

education

BSc, Industrial Engineering, Dokuz Eylul University, 1988
MSc, Industrial Engineering, Dokuz Eylul University, 1993
PhD, Industrial Engineering, Bogazici University, 2003

shortbio

All degrees (BSc, MSc, PhD) of Hakan Yasarcan are in Industrial Engineering. After receiving his PhD degree from Bogazici University, Istanbul-Turkey, in 2003, he worked as a faculty member in Cyprus. Later, in 2006, he was hired as an expert in System Dynamics by the Accelerated Learning Laboratory, The University of New South Wales, Sydney-Australia, where he worked as a post doctoral research fellow for three years. He is currently an assistant professor of industrial engineering at Bogazici University. He has a number of publications on generalized stock control formulations, simulation experiments on supply chains, dynamic goal management, interactive simulation games, and dynamic decision making.

affiliated research lab

SESDYN (Socio-Economic System Dynamics Research Lab) <http://www.ie.boun.edu.tr/labs/sesdyn/>



GÖNEÇ YÜCEL

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🌐 <http://www.gyucel.net>

keywords

Innovation Diffusion, Influence Dynamics on Social Networks, Energy Markets, Sustainability Transitions, Agent-based Simulation, System Dynamics

education

BS, Bogazici University, 2000
MSc, Bogazici University, 2004
PhD, Technology University of Delft, 2010

shortbio

Gönenç Yücel received his B.S. and M.S. degrees in Industrial Engineering from Boğaziçi University in 2000 and 2004. After earning his PhD degree in Policy Analysis from Technology University of Delft, he joined Boğaziçi University Industrial Engineering Department where he currently works as an Associate Professor. In general, Gönenç has been focusing on simulation-supported policy and strategy analysis in his research, utilizing agent-based, as well as system dynamics models. Recently he has been conducting studies in various areas including electricity markets, sustainability transitions, innovation diffusion and influence dynamics on social networks.

affiliated research lab

Socio-Economic Systems Dynamics (SESDYN) Lab, Energy Systems Modelling Lab (ESML)

6. Mechanical Engineering

The aim of the department is to give students a sound background in the concepts and principles fundamental to the broad field of mechanical engineering, and to provide them with the tools necessary for a career in mechanical engineering as well as for applied and theoretical research.

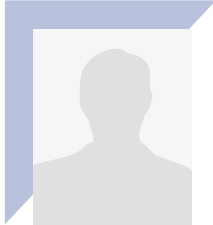
In the seventh and eighth semesters, students are required to select one of two specialization options, namely Thermal Systems, and Mechanical Structures and Systems. The course requirements for the B.S. degree in Mechanical Engineering total a minimum of 146 credit hours of formal course work. In addition to the course-credit requirements, a 60-day industrial training is required.

Graduate programs in Mechanical Engineering consist of five options: Dynamics and Control; Fluid Mechanics; Materials and Manufacturing; Solids and Design; Thermal Sciences. Ph.D. students are required to identify a Major and a Minor field chosen from the five Mechanical Engineering options listed above.

Research interests of the faculty members cover practically all areas of mechanical engineering. Our department maintains 20 laboratories for educational and research purposes. This includes laboratories specifically dedicated to classical and emerging fields such as automotive engineering, biomechanics, computational mechanics, controls and robotics, design, acoustics and vibrations, thermal sciences, fluid mechanics, materials and manufacturing, mechatronics, micro-nano engineering, renewable energy, solid mechanics, and space technologies.

These laboratories are listed below:

- Alloy Design and Development Laboratory
- Alternative Fuels and Combustion Technology Laboratory
- Automotive Acoustics and Vibration Laboratory
- BURET (Bogazici University Renewable Energy Laboratory)
- Composites Laboratory
- Computational Combustion and Heat Transfer Laboratory
- Control and Dynamics Laboratory
- Design Laboratory
- Experimental Engineering Laboratory
- Flow Modelling and Simulation Laboratory (FMS Laboratory)
- Haptics & Robotics Laboratory
- High Temperature Materials Laboratory
- Materials Science & Manufacturing Technologies Laboratory
- Materials Testing Laboratory
- Mechanical Engineering PC Laboratory
- Mechanical Tests Laboratory
- Mechanics of Advanced Materials Laboratory
- Solidification and Single Crystal Growth Laboratory
- Space Technologies Laboratory
- Thermal and Energy Systems Laboratory (TESLa)
- Vibrations Laboratory



KUNT ATALIK

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keywords Rheology, Flow Instabilities, Newtonian and Non-Newtonian Fluid Dynamics, Nanofluids

education BS, Bogazici University, 1991
MSc, Bogazici University, 1993
PhD, Bogazici University, 1999

shortbio Kunt Atalik is Professor of Mechanical Engineering in Boğaziçi University, Istanbul. His research focuses on theoretical and computational fluid dynamics and heat transfer, with a particular emphasis in field of rheology and engineered fluids like polymeric suspensions and nanofluids. Dr. Atalik is the Head of Mechanical Engineering Department of Boğaziçi University from 2017 and the Associate Dean of the School of Engineering from 2009. Dr. Atalik has published several research articles on topics such as the flow structure and heat transfer of Newtonian and non-Newtonian fluids in internal and external flows.



C.CAN AYDINER

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keywords Experimental mechanics, material failure, micromechanics, image correlation, residual stress

education BS, Middle East Technical University, 1998
MS, California Institute of Technology, 1999
PhD, California Institute of Technology, 2004

shortbio C. Can Aydiner is an Associate Professor of Mechanical Engineering at Bogazici University where he has been a faculty member since 2008. Before that, he has worked at Los Alamos National Laboratory, Materials Science and Engineering Department with a Director's Postdoctoral Fellowship he was awarded in 2005. Dr. Aydiner is currently co-director of Mechanics of Advanced Materials Laboratory, Bogazici University. Dr. Aydiner' chief research interest is the study of mechanical behavior of materials at fundamental length scales. Through advanced diffraction and real space techniques, he has been studying a large array of materials from metallic glasses to nano-layered bimetals. His current efforts concentrate on measurement and interpretation of deformation localization at multiple length scales. Dr. Aydiner is the author of over 20 publications.

affiliated research lab Mechanics of Advanced Materials Laboratory



HASAN BEDİR

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keywords Combustion, ORC, solar energy, geothermal, flame radiation, chemical kinetics

education BS, Bogazici University, 1991
MSc, Case Western Reserve University, 1993
Diploma Von Karman Institute, 1994
PhD, Case Western Reserve University, 1998

shortbio Dr. Hasan Bedir graduated from Boğaziçi University Mechanical Engineering Department with a B.S. degree in 1991 and from Case Western Reserve University Mechanical and Aerospace Engineering with an M.S. degree in 1993. He completed the Diploma course at the Von Karman Institute for Fluid Dynamics in the academic year of 1993-1994 and he graduated from Case Western Reserve University with a PhD degree with his doctoral thesis titled "Gas phase radiative effects in diffusion flames" which he worked on between 1994-1998. Dr. Bedir started to work as a faculty member at Boğaziçi University Mechanical Engineering Department in August 1998. He served as the Vice Dean of the Engineering Faculty between 2003-2006. Since 2013, he has been the Coordinator of Automotive Engineering M.S. Degree Program. He contributed to the establishment of Alternative Fuels and Combustion Technologies Laboratory, Combustion and Heat Transfer Modeling Laboratory, BURET (Boğaziçi University Renewable Energy Laboratory). He conducts research on combustion, heat transfer, thermodynamics, and alternative energy.

affiliated research lab Alternatif Yakıtlar ve Yanma Teknolojileri Laboratuvarı Yanma ve Isı Transferi Modelleme Laboratuvarı BURET (Boğaziçi Üniversitesi Yenilenebilir Enerji Laboratuvarı)

MURAT ÇELİK

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<http://bustlab.boun.edu.tr/> 🌐



keywords Electric propulsion systems, satellite engineering, plasma diagnostics, emission spectroscopy, plasma modeling, energy systems, science and technology policy

education BS, University of Michigan, 2000
MS, California Institute of Technology (Caltech), 2001
PhD, Massachusetts Institute of Technology (MIT), 2007

shortbio Dr. Murat Celik is an associate professor in the Department of Mechanical Engineering at Bogazici University. Dr. Celik received the B.S. degree in aerospace engineering and the B.S. degree in physics from the University of Michigan, Ann Arbor, MI, USA, the M.S. degree in aeronautics from the California Institute of Technology, Pasadena, CA, USA, the Ph.D. degree in space propulsion from the Department of Aeronautics and Astronautics, Massachusetts Institute of Technology, Cambridge, MA, USA, in 2000, 2001. and 2007, respectively. His current research interests include electric propulsion systems, spacecraft-thruster integration issues, emission spectroscopy, plasma modeling, energy systems, science and technology policy, and satellite engineering.

affiliated research lab Bogazici University Space Technologies Laboratory (BUSTLab)



ALİ ECDER

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keywords	Computational Fluid Dynamics Flow Modeling & Simulation Aerodynamics Gas Dynamics Convective Heat Transfer Turbo-Machinery Algorithm Design & Development Numerical Analysis
education	BS, Boğaziçi Üniversitesi, 1984 MS, Yale University, 1986 PhD, M.Phil., 1992
shortbio	Associate Professor of Mechanical Engineering, Boğaziçi Üniversitesi The research work of our CFD Group ranges from the development and implementation of algorithms for high-performance computing to the analysis of fluid flow, heat and mass transfer applications.



NURİ ERSOY

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🌐 www.composites.boun.edu.tr

keywords	Composite Materials, Composite Structures, Composites Manufacturing, Mechanical Properties, Fatigue
education	BS, Bogazici University, 1990 MSc, Bogazici University, 1992 PhD, Bogazici University, 1996
shortbio	Dr Ersoy obtained his Ph.D. in 1989 in Mechanical Engineering from Bogazici University, with studies on residual stresses in composite materials. He then worked for Ford-OTOSAN, Turkey as a fatigue and durability test engineer, and in UWE, Bristol, UK as a postdoctoral researcher on life prediction in multiaxial fatigue. He worked at Department of Aerospace Engineering, University of Bristol as a postdoctoral research associate and investigated the development of geometry during curing of thermoset composites, and teaching Finite Element Method. He joined the Mechanical Engineering department at Boğaziçi University in September 2004 and currently teaching solid mechanics and materials science courses. Among his current research interests are composites micromechanics and failure, composites manufacturing, process induced shape distortions and residual stresses in composite materials., synthesis and properties of nanocomposites, etc.



HAKAN ERTÜRK

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keywords

Thermal sciences, heat transfer, radiative transfer, inverse problems, nanofluids, nano-particles and their applications, nanotechnology, thermal management of opto/electronic devices, vehicle/building thermal management, heat transfer in energy systems, thin film coatings.

education

BS, Middle East Technical University, 1994
MS, Middle East Technical University, 1997
PhD, University of Texas at Austin, 2002

shortbio

Hakan Erturk received his Ph.D. from Mechanical Engineering Department of the University of Texas at Austin in 2002. He worked as a Senior Packaging Engineer for Intel Corporation's Electronic Packaging Research Center until he joined Bogazici University, Istanbul, Turkey, in 2007. He is currently an Associate Professor in the Department of Mechanical Engineering, where he is the founding director of the Thermal and Energy Systems Laboratory. His research area is thermal sciences focusing on heat transfer; more specifically radiative transfer, design and optimization of thermal and energy systems, thermal packaging and management of opto-electronic devices, nanotechnology in energy applications, and inverse problems in thermal sciences. He has ongoing research programs related to meta-material thin films and coatings for spectral alteration, nanofluids and their applications, optical characterization and near field radiation for nano-manufacturing. His research relies on experimental and numerical techniques/tools from nano to macro scales. He has authored/co-authored more than 50 peer reviewed journal articles and proceedings, and he is an inventor with more than 10 issued patents and patent applications in US, WIPO, Germany, PRC, South Korea, Taiwan. He is currently serving as an Editor for journal International Communications in Heat and Mass Transfer.

affiliated research lab

Thermal and Energy Systems Laboratory



SİNAN ÖNCÜ

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keywords

Autonomous and cooperative vehicles; advanced driver assistance systems; automotive control; Dynamics and control; networked/distributed control systems; hybrid systems; model predictive control; Object tracking, sensor fusion, localization, motion planning and control algorithms for mobile robots

education

BSc, Istanbul Technical University, 2005
MSc, Istanbul Technical University, 2008
PhD, Eindhoven University of Technology, 2014

shortbio

Sinan Öncü received the B.Sc. degree in electronics and telecommunications engineering and the M.Sc. degree in mechatronics engineering from Istanbul Technical University, Istanbul, Turkey, in 2005 and 2008, respectively, and the Ph.D. degree in mechanical engineering from the Eindhoven University of Technology (TU/e), Eindhoven, The Netherlands, in 2014. In 2011, he was with the TU/e team that participated at the Grand Cooperative Driving Challenge (GCDC), together with nine other international teams with the purpose of supporting and accelerating the introduction of cooperative and automated vehicles in everyday traffic. From 2013 to 2016, he was a research scientist at the Integrated Vehicle Safety Department, Netherlands Organization for Applied Scientific Research (TNO) Technical Sciences. His research focused on development of automated/cooperative vehicles for highway platooning.

Since 2019, he is an assistant professor at the mechanical engineering department at Boğaziçi University and teaches several grad and undergrad courses on dynamics, control, and mechatronics. He also runs the Smart and Autonomous Mobility Research Lab which is active on research on cooperative localisation, sensing, control, and coordination of automated air and ground vehicles.

affiliated research lab

Smart and Autonomous Mobility

**ŞEBNEM ÖZÜPEK**

ozupek@boun.edu.tr

<http://www.me.boun.edu.tr/?q=users/sebnem-ozupek> **keywords**

Finite Strain Viscoelasticity, Finite Element Analysis, Constitutive Modeling, Computational Fracture Mechanics, Solid Rocket Propellants, Soft Tissues, Heart Valves, Pneumatic Tires

education

BS, Aeronautics and Astronautics, Istanbul Technical University, 1986

MS, Aerospace Engineering and Engineering Mechanics, The University of Texas at Austin, 1989

PhD, Aerospace Engineering and Engineering Mechanics, The University of Texas at Austin, 1995

shortbio

Şebnem Özüpek is an Associate Professor of Mechanical Engineering at Boğaziçi University. Dr. Özüpek specializes in constitutive modeling and computational mechanics of finitely deforming viscoelastic materials. After receiving her PhD, Dr. Özüpek has been involved in research and teaching activities at the Institute for Mechanics and Materials of The University of California, San Diego, and Aerospace Engineering and Engineering Mechanics Department of The University of Texas at Austin until she joined Boğaziçi University. She has conducted research and published on areas ranging from elastomeric materials to soft tissues, from solid propellants to dental materials. Dr. Özüpek is a recipient of Fulbright Scholarship and Zonta International Amelia Earhart Fellowship.

**EVREN SAMUR**✉ evren.samur@boun.edu.tr🌐 <http://haptics.boun.edu.tr/>**keywords**

Medical Robotics, Haptic Interfaces, Tactile Displays, Surgical Simulation, Haptics and Human-Machine Interaction

education

BS, Middle East Technical University, 2003
MS, Koç University, 2005
PhD, Ecole Polytechnique Fédérale de Lausanne (EPFL), 2010

shortbio

Evren Samur, who heads the Haptics & Robotics Lab at Bogazici University, is currently an Assistant Professor of Mechanical Engineering at the same university. He is also a member of a multidisciplinary research center focused on life sciences and health technologies. Dr. Samur have recently received European Commission's Marie Curie Career Integration Grant and TUBITAK's Career Development Award. Before joining to Bogazici University in 2012, Dr. Samur was a postdoctoral fellow at the Rehabilitation Institute of Chicago (RIC) which is an academic affiliate of Northwestern University Medical School. In 2010, he received his PhD degree in robotics from EPFL where he specialized on haptic interface development and evaluation. His PhD thesis was awarded the Best PhD thesis in 2010 by the EuroHaptics Society. He was a visiting scholar at the Northwestern University in fall 2008 and worked on a new tactile display under supervision of Prof. Ed Colgate. He holds an MS degree in mechanical engineering from Koc University where he worked with Prof. Cagatay Basdogan on soft tissue modeling and characterization.

affiliated research center

Center for Life Sciences and Technologies

affiliated research lab

Haptics & Robotics Lab

**FAZIL ÖNDER SÖNMEZ**

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<http://web.boun.edu.tr/sonmezfa/> **keywords**

Composites design and manufacturing Structural optimization Modeling and optimization of manufacturing processes Analysis of structures by finite elements

education

BS, Mechanical Engineering, Bogazici University, Istanbul, 1988
MS, Mechanical Engineering, Bogazici University, Istanbul, 1991
PhD, Mechanical Engineering, UCLA, Los Angeles, California, 1995

shortbio

Fazıl Önder Sönmez received his BA and MS in Mechanical Engineering from Boğaziçi University in 1988 and 1991, respectively. He completed his PhD in Mechanical Engineering at UCLA in 1995. Prof. Sönmez joined Boğaziçi University's Mechanical Engineering faculty in 1996, where he was promoted to Associate Professorship in 2002 and Professorship in 2009. His work covers such areas as the optimum structural design, analysis of structures by Finite Elements, and modeling and optimization of manufacturing processes. He has authored more than 30 papers in prominent journals, including Journal of Sound and Vibration, Journal of Materials Processing Technology, Journal of Engineering Materials and Technology, Fatigue & Fracture of Engineering Materials & Structures, Computers and Structures, Composite Structures, and Computer Methods in Applied Mechanics and Engineering. He has also supervised 29 MS and PhD dissertations at Bogazici and conducted many scientific and industrial projects.

affiliated research lab

Composites Laboratory

**ÇETİN YILMAZ**✉ cerin.yilmaz@boun.edu.tr🌐 <http://web.boun.edu.tr/cetin.yilmaz/>**keywords**

Multi-body dynamics, acoustics and vibrations, vibration isolation systems, phononic band gap structures, elastic metamaterials, passive anti-resonance generation methods, design of displacement amplifiers and motion converters

education

BS, Mechanical Engineering, Boğaziçi University, 2000
MS, Mechanical Engineering, University of Michigan, 2001
MS, Mathematics, University of Michigan, 2002
PhD, Mechanical Engineering, University of Michigan, 2005

shortbio

Çetin Yılmaz received his BS degree in Mechanical Engineering from Boğaziçi University in 2000. He pursued his graduate study at University of Michigan between 2000 and 2005. In 2001 and 2002 he completed his MS degrees in Mechanical Engineering and Mathematics, respectively. In 2005 he received his PhD degree in Mechanical Engineering. Between 2005 and 2007 he worked as a post-doctoral researcher at University of Michigan. In 2007, he joined the Department of Mechanical Engineering at Boğaziçi University as an Assistant Professor. Currently, he is a Professor of Mechanical Engineering at Boğaziçi University. His research interests include multi-body dynamics, acoustics and vibrations, design. In particular, vibration isolation systems, phononic band-gap structures, elastic metamaterials, passive anti-resonance generation methods, design of displacement amplifiers and motion converters, optimization. He directed several research projects funded by governmental institutions and industry, and is the author of more than 40 journal and conference publications and filed several patents. He received the Outstanding Young Scientist Award of the Turkish Academy of Sciences (TÜBA-GEBİP) in 2017.

**affiliated research
lab**

Vibrations Laboratory

2

Schools

School of Applied Disciplines



The School of Applied Disciplines (SAD), founded in 1995, accommodates three departments: International Trade, Management Information Systems and Tourism Administration. All three departments offer undergraduate and graduate programs that foster critical thinking and effective decision making skills, encouraging interdisciplinary work with a contemporary approach to management. The curricula as well as academic research are multi-disciplinary with a core on management sciences. The SAD faculty undertakes both theoretical and applied research in their own areas of specialization, mainly in international trade, tourism management and information technology and systems. Multidisciplinary research and education are provided by faculty from various disciplines like business, economics, international trade, engineering, tourism, information technology and law. A large number of SAD graduates continue their careers in managerial positions. Approximately one third of SAD graduates continue with their education in the graduate programs of leading universities in Turkey and abroad.

1. International Trade

The Department of International Trade offers both undergraduate and graduate degrees in international trade. Research and education in the department, with its interdisciplinary nature, is directed towards creating synergy and contributing to knowledge development in international business and trade. The department adds value to research fields such as business competition, risk management, trade law, political economy, entrepreneurship and innovation.



Ü. ZEYNEP ATA

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keywords

Supply Chain Management, Sustainable Supply Chains, Logistics, Operations Management, Customer Relationship Management, B2B Markets, Relationship Marketing

education

BS, İstanbul Technical University, 1990
MBA, Middle East Technical University, 1994
PhD, Bogazici University, 2009

shortbio

Ü. Zeynep Ata, PhD is an assistant professor at Department of International Trade, Bogazici University. She teaches courses on Supply Chain Management, International Logistics and Transportation, Research Methods and Business Statistics. She has articles and published proceedings in areas of Supply Chain Management, Customer Relationship Management, Relationship Marketing and Sustainability in Supply Chains.



OĞUZHAN AYGÖREN

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keywords

Consumer choice behavior, Entrepreneurship and innovation, Digital marketing and e-commerce, Political Marketing and voting behavior

education

BS, METU, 2002
MSc, Koc University, 2004
PhD, Bogazici University, 2013

shortbio

Oguzhan Aygören is an Assistant Professor of Marketing at the Department of International Trade at Bogazici University. In addition, he is the vice director for the Entrepreneurship Center and a board member in the Innovation Center. He is also the coordinator of Innovation and Entrepreneurship Certificate Program and International Competition and Trade Graduate Program. He is interested in topics such as value creation at startups, how corporations can become more innovative, brand management, consumer choice behavior and voting behavior. His work appeared in journals such as International Journal of E-business Research and Harvard Business Review Turkey. He has presented his studies in international conferences such as ACR (Association of Consumer Research), AMA (American Marketing Association), AMS (Academy of Marketing Science), and APSA (American Political Science Association) in various countries and has been a reviewer for AMA Marketing Educators conference. Prior to joining Bogazici, he was an Assistant Professor at İstanbul Technical University. Besides he was a visiting research scholar at UC Berkeley during fall 2014 and a visiting researcher at Stanford University during summer 2016 where he works on joint research projects. He has a bachelor's degree in Electrical and Electronics Engineering from Middle East Technical University and an MBA degree from Koc University and London Business School. He has completed his PhD in Marketing at Bogazici University. Before academia, he worked at Procter & Gamble as the head of innovation followed by an entrepreneurship experience where he joined and cofounded three startups in the fields of e-commerce, mobile marketing and social networking. He is currently active in the entrepreneurship ecosystem as a mentor, advisor and board member. He is an academic advisory board member of Endeavor Turkey and also gives consulting and training to companies at executive levels.

affiliated research center

Entrepreneurship Center, Innovation Center



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keywords	Innovation, Innovation Law, Policy Formulation, Protection of Personal Data, Smart Cities, Data-Intensive Eco-Systems
education	BA, Marmara University, 1995 MA, EU Institute, Marmara University, 1997 PhD, EU Institute, Marmara University, 2005
shortbio	Aslı Deniz Helvacioğlu (Associate Professor/Department of International Trade & Director/Center for Innovation and Competition Based Development Studies) Asli Deniz Helvacioğlu holds a PhD on European Union Law. Her current research centers on the legal and policy-oriented aspects of innovation. She seeks to integrate the applicable regulatory framework for innovation into policy formulation and strategy design. She focuses on the challenges deriving from innovation that demands novel legal paths and contemporary policies for governing the dynamic interaction between human and technology.
affiliated research center	Center for Innovation and Competition Based Development Studies

MEHTAP IŞIK

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keywords	Microeconomics, Firm Theory, Economics of Social Networks, Political Economy
education	BS, Bogazici University Department of Mathematics, 1998 MSc, Bogazici University Department of Economics, 2000 PhD, Bogazici University Department of Economics, 2008
shortbio	Mehtap Işık is assistant professor at Department of International Trade, Bogazici University. Dr. Işık has PhD in economics. She is also a part-time faculty member of Department of Economics, Bogazici University. She teaches on microeconomics, managerial economics and regional economic development, and has a wide range of research interest including topics under microeconomic theory, trade and political economy, such as the economics of social networks, incentive mechanisms, role of trade in growth and development.



OSMAN SABRİ KIRATLI

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keywords International political economy, Public opinion, EU foreign policy, Foreign Aid, European integration

education BA, Social and Political Science, Sabanci University, 1999-2004
MA and PhD, Political Science, University of Massachusetts Amherst, 2004-2012

shortbio Dr. Osman Sabri Kiratli works as an associate professor in International Trade Department of the Bogaziçi University, Istanbul. Originally trained in Political Science, he holds MA and PhD degrees from the University of Massachusetts Amherst, awarded in 2007 and 2012 respectively. His research areas include public opinion dynamics, European integration, EU Foreign Policy, and International Political Economy. Kiratli has publications in various political science journals such as JCMS: Journal of Common Market Studies, European Union Politics (EUP), International Journal of Public Opinion Research, European Integration Online Papers (EIOP), Cambridge Review of International Affairs, Southeast European and Black Sea Studies, and Turkish Studies.



ÖZLEM ÖKTEM

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keywords Business groups, family businesses, organizational forms, top management teams

education BS, Koc University, 2000
MBA, Bocconi Business School, 2001
PhD, Bocconi University, 2005
Post-doc, Sabanci University, 2006

shortbio Özlem Yildirim-Öktem is Associate Professor of Management and Strategy at the Department of International Trade, Bogazici University, Istanbul. She received her PhD in Management from Bocconi University in 2005. She has published in British Journal of Management, Journal of Business Research, Journal of Sustainable Tourism, Personnel Review, Journal of Management and Governance. Her research interests include business groups, family businesses, organizational forms and top management teams.



NİSAN SELEKLER-GÖKŞEN

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keywords	Corporate governance, family firms, higher education, strategic alliances, organizational justice
education	BA, Bogazici University MBA, Ohio State University PhD, Bogazici University
shortbio	Nisan Selekler-Gökşen is a professor of management. She received her BA and PhD degrees from the Department of Management at Boğaziçi University, and her MBA from the Fisher School of Business at The Ohio State University. Her research interests include corporate governance, family firms, higher education, strategic alliances and organizational justice. She has published in journals such as Journal of Business Research, British Journal of Management, Personnel Review, Education and Science, and European Management Journal. She teaches graduate and undergraduate courses in international business, cross-cultural management and strategic management.

ARZU TEKTAŞ

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keywords	Business Innovation; Competitiveness and SMEs; Industry 4.0; Quantitative methods for business decision making; Fund utilization in EU harmonization process; Supply chain management
education	BS, Bogazici University, 1984 MA, Bogazici University, 1987 PhD, Bogazici University, 1993
shortbio	Arzu Tektaş is a professor of Quantitative Decision Methods. She holds BS in Industrial Engineering and PhD in Operations Management. Her studies during PhD are on insurance premium rating modeling. Her further work focuses on quantitative modeling and decision making in business i.e marketing, banking and finance as well as business innovation. Her recent works are related to capacity building and new business models in agribusiness under the vision of Industry 4.0.
affiliated research center	Center for Innovation and Competition Based Development

**GÖZDE ÜNAL**✉ gozde.unal@boun.edu.tr🌐 <http://www.intt.boun.edu.tr/tr/kisiler/detay/gozde-erhan-unal>

keywords	Extreme Value Theory, Valuation, Risk Modelling, Sustainability, International Agricultural Trade
education	BS, Koç University, Mathematics, 1997 MBA, Boğaziçi University, 1999 PhD, Boğaziçi University, Finance, 2006
shortbio	Gözde Ünal is an Associate Professor of Finance in the International Trade Department at Bogaziçi University, where she teaches Financial Accounting, Risk and Insurance, Trade Finance courses for undergraduates and International Financial Management for graduate students. Prior to her academic career, she worked in the corporate finance field. During her professional career she accomplished a wide variety of corporate finance projects delivering consultancy, due diligence, industry analysis, valuation of companies in privatizations, initial public offerings, and merger and acquisitions. Her academic research interests include risk management, stochastic modelling, corporate governance and financial literacy. Her research appears in journals such as Journal of Agricultural Economics, Journal of Risk Model Validation, Finance a Úver (Czech Journal of Economics and Finance), International Journal of Shipping and Transport Logistics, Journal of Financial Regulation and Compliance, The International Journal of Business and Finance Research.
affiliated research center	Center for Applied Research in Finance (CARF) Center for Research in Corporate Governance & Financial Regulation (CCG) Center for Entrepreneurship

2. Management Information Systems

Management Information Systems (MIS) is an interdisciplinary department offering an undergraduate program leading to a B.S. degree and graduate programs leading to an M.A. and Ph.D. degree. The undergraduate program includes basic information technology and management courses in the first two years. The third and fourth years have integrated courses combining these two areas including System Analysis, Database Systems and Mining, Supply Chain Management, and E-Business.

There are three computer laboratories and those laboratories include a total of 105 computers. The labs are used primarily for teaching purposes.

The research of our faculty members covers the following topics: Big data analytics, data mining techniques, cybersecurity, information technology (IT) governance, cloud computing, brand management, innovation and marketing of high technology products, online consumer behavior, IT investments, and financial innovation.



ÖZGÜR DÖĞERLIOĞLU

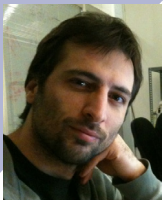
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keywords Managerial and Organizational Issues in Digital Transformation

education BS, Bogazici University, Chemical Engineering, 1985
MBA, Bogazici University, Management, 1987
PhD, Dokuz Eylül University, Management, 1995

shortbio Ozgur Dogerlioglu, is the author of two books about management and communication. She worked in companies like Sise-Cam Glassworks and NCR. She is working as an assistant professor in Bogazici University, Istanbul. She has also publications on managerial and organizational aspects of Information Technology and Quality Management. Extended CV is available in the following link: <http://misprivate.boun.edu.tr/dogerlioglu/>



AHMET ONUR DURAHİM

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keywords Big Data, Social Networks, Cloud Computing, Cyber Security, Cryptography

education BS, Civil and Industrial Engineering, Bogazici University, 2004
MSc, Civil Engineering, Bogazici University, 2006
PhD, Computer Science and Engineering, Sabanci University, 2012

shortbio Ahmet Onur Durahim is Assistant Professor in Management Information Systems Department at Bogazici University. He holds a PhD in Computer Science and Engineering from Sabanci University, Turkey (2012). Before joining Bogazici University, he has participated in both software development and consulting in the area of end-to-end Supply Chain Management where he has conducted several network design and transportation optimization projects. His research interests include social network analysis, big data analytics, cloud computing, cyber security, and cryptography. He is currently teaching classes on Data Science, Big Data Analytics, Social Network Analysis, and Information Systems Security.



BİRGÜL KUTLU BAYRAKTAR

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keywords	Management Information Systems, Systems Analysis and Design, E-learning, Virtual Environments, Digital Games, Social Computing, Business Intelligence
education	BSc, Bogazici University, 1983 MSc, Michigan Technological University, 1985 PhD, Ege University, 1992
shortbio	Birgul Kutlu Bayraktar is a Full Professor at Department of Management Information Systems of Bogazici University, Turkey. She teaches several Information Systems, Analysis and Design, and Programming courses at undergraduate and graduate levels. Her primary research interests include information systems analysis, design and development, virtual environments, e-learning, distance education, neural networks and artificial intelligence. She has coordinated many B.U. Research Foundation projects as well as European Union and Unesco projects. Dr. Kutlu Bayraktar is the founding member of Turkish Informatics Foundation, B.U. Information Systems Research Center, and B.U. Tourism Management Research Center.
affiliated research center	Information Systems Research Center, B.Ü. Applied Tourism Administration and Research Center, B.Ü.

SONA MARDIKYAN

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keywords	Multivariate Statistics, Data Mining, Big Data, Information Systems, Information Technologies
education	BS, Istanbul Technical University, 1987 MSc, Bogazici University, 1991 PhD, Istanbul University, 2005
shortbio	Sona Mardikyan received her BS degree in Control and Computer Engineering from Technical University of Istanbul, MS degree in Industrial Engineering from Bogazici University, and PhD in Quantitative Methods from Istanbul University. She teaches Information Systems and Technologies, Quantitative Methods, Multivariate Statistics, Data Mining in graduate and undergraduate programs at MIS Department of Boğaziçi University. Dr. Mardikyan has published various research articles on topics such as cloud computing, digital divide, information technologies, e-learning, social networks. She has coordinated three B.U. Research Foundation projects. She was the vice director of School of Applied Disciplines, during 2008-2016. She was a local chair of the 24th European Conference on Information Systems, ECIS, which was held in June 2016, in Istanbul. She was the head of Business Information Systems Master of Arts Program, during 2016-2017. She is also a member of Association for Information Systems.



BİLGİN METİN

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keywords

Cybersecurity, Information Security, GDPR, Privacy, IT Governace, Electronic design for Information and communication systems

education

BS, Electronics and Communication Eng., İstanbul Technical University, 1996
MSc, Electrical and Electronic Eng., Boğaziçi University, 2001
PhD, Electrical and Electronic Eng., Boğaziçi University, 2007

shortbio

Bilgin Metin firstly received the B.Sc. degree in Electronics and Communication Engineering from İstanbul Technical University, İstanbul, Turkey. Later, he worked in the leading companies in the private sector, and he handled the design and installation of computer networks and cybersecurity projects. He received M.Sc. and Ph.D. degrees in Electrical and Electronics Engineering from Bogazici University, İstanbul. During M.Sc. and Ph.D. studies, he worked as a consultant in the private sector for designing, implementing, and supporting data communications and cybersecurity projects such as the International Terminal of Antalya Airport in Turkey. In 2007, He started to work as an assistant professor for Management Information Systems Dept. at Bogazici University. He received the title of Associate Professor in 2014. His research interests include electronic circuit design for information and communication systems, information security, and information technology governance. He published more than 90 papers in international journals and conferences. Assoc. Prof. Bilgin Metin was in the organization committee of many national and international conferences such as YBS 2014 (National Management Information Systems Conference 2014), ELECO (Conference on Electrical and Electronics Engineering) between 2012 and 2019. He is a local chair of ECIS 2016 (European Conference of Information Systems 2016). He is the academic director and management board member of ISACA (Information Systems Audit and Control Association) İstanbul Chapter and Turkish Information Systems Association. He is currently also the manager of the Bogazici University MIS Cybersecurity Center since 2017. He is carrying out national and international projects, also giving consultancy to various national and international institutions.

affiliated research center

Bogazici University management Information Systems Cybersecurity Center
inside of the Information Systems Research Center
(www.cybersec.boun.edu.tr)

affiliated research lab

Bogazici University management Information Systems CyberSecurity Center lab
(www.cybersec.boun.edu.tr)

**ASLIHAN NASIR**

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<http://www.mis.boun.edu.tr/team/aslihan-nasir> 🌐**keywords** Marketing, Consumer Behavior, CRM, Digital Marketing and Social Media, Higher Education**education** BA, İstanbul University, 1995
MA, İstanbul University, 1997
PhD, Bogazici University, 2004**shortbio**

Aslihan Nasir is the professor of Marketing at the Department of Management Information Systems, Bogazici University. She received her B.A. and M.A. degrees from the Economics Department at Istanbul University, and her Ph.D. degree from the Management Department at Bogazici University. She has authored over 45 research papers which have been published in major journals, books and conferences in the respective fields. She also has served on the scientific committees of several international and national conferences. Dr. Nasir is the member of National Marketing Association, and she makes contributions to the National Marketing Conference as a reviewer and scientific board member. She acted as the Chair of Management Information Systems Department of Bogazici University between 2013-2015. Her research interests include digital marketing, social media marketing, consumer behavior, customer relationship management (CRM), sustainability, and higher education. Dr. Aslihan Nasir has been elected as a member of Turkish Higher Education Quality Board (HEQB) in 2015. Furthermore, she has been serving as the Vice Chair of Trade Sector Committee at Turkish Vocational Qualifications Authority (VQA) since 2013. Moreover, she has been the member of Scientific Committee of International Competition Research Foundation (URAK). She's been also the Board Member of Information Systems Research Center since 2012. She has one on-going and two completed research projects, which are funded by Bogazici University Scientific Research Fund. Dr. Nasir is one of the experts at TURQUAS Project, which is co-founded by ERASMUS+ Programme of the European Union. TURQUAS Project aims to implement European Higher Education Area (EHEA) reforms in Turkish Higher Education System.

affiliated research center Information Systems Research Center



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keywords

Fintech, Corporate Finance, Information Technology Investments, Financial innovation, Financial Integration, FDI and Productivity

education

BA, Marmara University, 1998

MBA, Koç University, 2000

PhD, Boğaziçi University, 2004

shortbio

Ceylan Onay, Professor of Finance and Founder of Digital Finance Working Group at Boğaziçi University, holds a PhD in finance from Department of Management, Boğaziçi University. Her research spans a variety of areas within corporate finance, with particular emphasis on Fintech, Information Technology investments, financial innovation, financial integration, foreign direct investments and productivity. This research has been published in top finance journals such as the Journal of Financial Services Research, International Review of Financial Analysis, Journal of Financial Regulation and Compliance, Finance a Uver, Borsa Istanbul Review. Dr. Onay teaches Fintech, Corporate finance, IT investments and Electronic Finance Strategies in both graduate and undergraduate programs at MIS Department of Boğaziçi University. Dr. Onay is the 2008 recipient of the prestigious Marie Curie Intra-European Fellowship of European Union People program and has been a Research Fellow (since 2008) at the Emerging Markets Group (EMG) Research Center of Cass Business School, London, UK. She is also a member of Association of Information Systems (AIS), Head of Sectoral Relations of The Turkey Chapter of the Association for Information Systems (TRAIS) and Deputy Director of Information Systems Research Center of Boğaziçi University.

affiliated research center

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MELTEM ÖZTURAN

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keywords

Information Systems Development; E-Learning; Artificial Neural Network Applications; System Analysis and Design; Software Development; Information Systems Project Management; Social Media

education

BS, Bogazici University, 1977

MSc, İstanbul University, 1987

PhD, İstanbul University, 1989

shortbio

Meltem Ozturan, is full Professor at Department of Management Information Systems in Bogazici University, İstanbul, Turkey. She has completed her PhD in Quantitative Techniques in 1989. Dr Ozturan published as an author or as a coauthor scientific papers on her main research areas which are development and management of information systems, business process management, e-adoption, e-learning, artificial neural network applications, social media and project management.

affiliated research center

Information Systems Research Center



ASLI SENCER

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keywords	Decision Support Systems, Supply Chain Management, Operations Management, Business Process Management, Analytical Decision Making
education	BS, Middle East Technical University, 1990 MSc, Bilkent University, 1993 PhD, Bogazici University, 1999
shortbio	Dr. Sencer's academic research focuses on where analytical decision making meets business process management and information systems. Her studies include several decision support systems applications in supply chain problems as well as call center workforce management. Recently she has worked in dynamic pricing models, and manufacturing scheduling problems. She makes publications in the well-respected journals in these areas that include Naval Research Logistics, Expert Systems with Applications, Simulation, Inter. J. of Production Economics, and Information. She gives regular professional courses in process and supply chain management to the large companies in different sectors, mainly the automotive sector. Dr. Sencer organizes several academic and professional events in management information systems. As the general conference co-chair, she organized the most prestigious information systems conference in Europe, namely the 24th. European Conference in Information Systems, ECIS 2016 at Bogazici University. She is founding member and the president of the Turkey Chapter of Association for Information Systems, AIS that serves as the largest research community in information systems with 4400+ members in the world.
affiliated research center	Bogazici University Information Systems Research Center

ZUHAL TANRIKULU

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keywords	Information systems, soft computing, e-learning, human-computer interaction
education	BS, Istanbul Technical University MSc, Istanbul Technical University PhD, Istanbul University
shortbio	Zuhale Tanrikulu is a Professor of Management Information Systems Department at Bogazici University in Istanbul. She received her B.S. in Electronics and Communication Engineering, M.S. in Computer Engineering, and Ph.D. in Management and Organization field, specializing in MIS. Her current research interests focus on the implementation of the information technology in organizations, analysis and design of the integrated information systems, soft computing, knowledge management, e-learning, and human-computer interaction. She is active in teaching soft computing for enterprise knowledge management, enterprise information systems, and information systems management courses.



HANDE TÜRKER

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keywords

Digital marketing, e-business, e-commerce, mobile marketing, online consumer behavior, marketing communications, social media

education

BA, Marmara University, 1995
MA, Bogazici University, 1997
PhD, Bogazici University, 2001

shortbio

Hande Türker has taken her Bachelor's degree from Marmara University, Business Administration Department (English) in 1995 and Master's Degree from Boğaziçi University, Department of Management in 1997. She completed her doctoral studies in the field of Marketing at the same department in 2001. She received an award for her thesis titled "The internet as a marketing environment: Consumer perceptions, attitudes and behavior" from the Boğaziçi University Research Fund. She is a full-time faculty member at the Management Information Systems Department of Boğaziçi University since 2002 as an Associate Professor. Hande Türker has published scholarly articles and proceedings and supervised many thesis studies in the fields of e-commerce and e-business, digital marketing, consumer behavior in the online environment, CRM and e-learning. She has been teaching Research Methodology and E-Business Management courses at the undergraduate and graduate levels and has also offered elective courses about digital marketing and integrated marketing communications. She is also actively taking part in corporate and executive education programs about marketing, CRM and e-business and is a member of the Executive Committee of Lifelong Learning Center at Boğaziçi University.

affiliated research center

Bogazici University Information Systems Research Center

3. Tourism Administration

Vision of the Department of Tourism Administration:

The Department of Tourism Administration aspires to become an internationally recognized institution through its academic achievements and high quality of education. The ultimate aim is to contribute to the welfare and progress of the society.

Mission of the Department of Tourism Administration:

The mission of the Department of Tourism Administration is to generate knowledge on tourism and related fields and to educate individuals who aim to excel in tourism practice and to contribute to the development of sustainable tourism both at the national and international level. In order to achieve this mission, the Department undertakes its research and education programs in accordance with the scientific and educational excellence standards of Boğaziçi University and the highest ethical values. In line with these goals, the Department aims to bring together the very best academicians, experts and students in a rewarding environment.



SEVİL ACAR

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🌐 <https://tourism.boun.edu.tr/en/content/sevil-acar-aytekin>

keywords

Environmental and Resource Economics, Climate Change, Climate Policy, Ecological Footprint, Energy Subsidies, Economic Development, Natural Capital Accounting, Sustainable Development Indicators, Resource Curse, Sustainable Development

education

BA, Bogazici University, 2005
MA, Istanbul Technical University, 2007
PhD, Marmara University, 2011

shortbio

Sevil Acar (Assoc. Prof.) joined the Department of Tourism Administration, at the School of Applied Disciplines at Bogazici University in September 2018. Her research focuses on environmental and resource economics, particularly on natural capital accounting, sustainable development indicators, climate change, energy policy, and the resource curse. Her undergraduate, master s and Ph.D. degrees are from Bogazici University, Istanbul Technical University, and Marmara University, respectively. Awarded with a Swedish Institute scholarship, she conducted research at the Centre for Environmental and Resource Economics (CERE), Umeå University, Sweden during her PhD studies. She took part in several projects such as the estimation of historical accounts for Swedish sustainable development in the 20th century and analysis of carbon convergence across countries. She is a Lead Author for the Intergovernmental Science-Policy Platform on Biodiversity and Ecosystem Services (IPBES) Regional Assessment for Europe and Central Asia, and a Contributing Author to the IPCC Special Report on the Ocean and Cryosphere in a Changing Climate (SROCC). Her articles appeared in Structural Change and Economic Dynamics, Ecological Economics, International Review of Environmental and Resource Economics, Ecological Indicators, Energy Policy, and Journal of Environment & Development.

affiliated research center

Center for Climate Change and Policy Studies



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keywords Destination marketing, Sustainable destination development, Tourist behaviour

education Undergraduate, Law and Management, Deusto University, Bilbao, Spain.
Master, Belgium European Law, Université Libre de Bruxelles, Bruxelles, 1990
Master, MBA, Cornell University, New York, USA, 1993
PhD, Marketing, Boğaziçi University, İstanbul, Turkey, 2003

shortbio Dr. Maria D. Alvarez is a Professor of Tourism Marketing at the Department of Tourism Administration of Boğaziçi University in İstanbul, Turkey. Her research interests include sustainable destination development, destination marketing and tourist behaviour, especially as related to destination image and risk perceptions. She has participated in several destination development and research projects in Turkey, financed by organizations such as UNWTO, UNDP, Thrace Regional Development Agency, etc. She is also part of several international research projects on country and destination image and risk perceptions, working with other leading international researchers. Dr. Alvarez also serves in the editorial board of several leading tourism journals. She has edited books on the topic of tourism and development and heritage tourism. Dr. Alvarez has also published in leading academic tourism journals, including Annals of Tourism Research, Tourism Management, Current Issues in Tourism, Journal of Hospitality and Tourism Research, International Journal of Tourism Research, Journal of Travel & Tourism Marketing, Journal of Destination Marketing & Management, Journal of Hospitality Marketing and Management, Journal of Cleaner Production, etc.

AYSA İPEK ERDOĞAN

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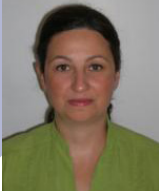
<http://www.tourism.boun.edu.tr> 🌐



keywords Corporate Finance, SME Financing

education BS, Bogazici University, 1999
MBA, Bogazici University, 2003
PhD, Bogazici University, 2010

shortbio Associate Professor Aysa Ipek Erdogan received her Ph.D. from Bogazici University in 2010. She teaches at the Department of Tourism Administration of Bogazici University. Her research interests include corporate finance and small business finance.



BENGI ERTUNA

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🌐 <https://strm.boun.edu.tr/tr/prof-dr-bengi-ertuna>

keywords

Corporate governance, corporate social responsibility, sustainable business development, sustainable tourism

education

BA, Bogazici University, 1988
MA, Bogaziçi University, 1990
PhD, Bogazici University, 1995

shortbio

Bengi Ertuna is a professor of finance in the Department of Tourism Administration at Boğaziçi University. She obtained her Ph.D. in finance at Boğaziçi University in 1995 and has taught at Bogazici University since then. She has developed and offered a variety of courses both at undergraduate and graduate levels, some of which include Financial Management, Investment Management, Sustainable Business Development and Corporate Governance. Her research interests include corporate governance, ownership and control, corporate social responsibility and sustainability. She also participates in multidisciplinary research on sustainable tourism management. She is currently the director of Applied Tourism Administration and Research Center at Bogazici University. She published articles and book chapters on initial public offerings, ownership structure, corporate governance and corporate social responsibility in the Turkish business context.

affiliated research center

Applied Tourism Administration and Research Center



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keywords

organizational commitment, employee voice, employees' trust and performance, organizational citizenship behavior, intention to stay, job security issues, generational differences, sustainable medical tourism organizations, organization for disaster preparedness

education

BA, Psychology, Bogazici University, 1993
MA, Social Psychology, Bogazici University, 1996
PhD, Management and Organizations, Bogazici University, 2002

shortbio

Dr. Kivanç İnelmen is a Professor of organizational behavior at the Department of Tourism Administration, Bogazici University. He holds a PhD in Management and Organization Studies from the Department of Management, an M.A. in Social Psychology and a B.A. from the Department of Psychology, Bogazici University. Currently, Dr. İnelmen teaches courses on organizational behavior, principles of management, human resource management, learning organizations, work psychology, interpersonal communication and research methodology at the undergraduate and graduate levels. He was invited as a visiting scholar and/or instructor to various universities including Columbia University and University of South Carolina in the USA, McMaster University in Canada, Central European University in Hungary, Karlsruhe University in Germany, Jönköping University in Sweden and to Bournemouth University in the UK. Dr. İnelmen's research field mainly involves topics about the people in the workplaces and organizational issues. Dr. İnelmen's research has appeared in journals such as The International Journal of Human Resource Management; Personnel Review; Economic and Industrial Democracy; Anatolia: An International Journal of Tourism and Hospitality Research; International Journal of Business, Management and Economics; International Journal of Sociology and Social Policy. He has authored several book chapters, and has also led or contributed to several national and international research projects.

AHMET UŞAKLI

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keywords

Tourist Experience, Cross-Cultural Tourist Behavior, Destination Marketing, Structural Equation Modeling

education

BS, Gazi University, 2005
MSc, University of Nevada, Las Vegas, 2009
PhD, Gazi University, 2016

shortbio

Dr. Ahmet Uşaklı is an Assistant Professor in the Department of Tourism Administration at Boğaziçi University. His research interests revolve around consumer behavior in travel and tourism, destination marketing and management, and statistical and methodological aspects of hospitality and tourism research. Dr. Uşaklı's work has appeared in leading hospitality and tourism journals, such as Tourism Management, Journal of Destination Marketing & Management, and International Journal of Contemporary Hospitality Management.

The School of Foreign Languages



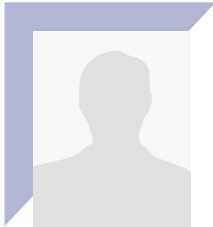
The School of Foreign Languages (SFL) provides a one-year intensive English Preparatory program to mainly Turkish students prior to their academic studies in their departments. About 1700 students attend the SFL each year and it plays a vital role in students' transition to the university life. SFL operates on two campuses, North Campus and Saritepe Campus, and the prospective instructors will be asked to work on both campuses on a rotational basis. For more information about the SFL and the campuses, visit www.yadyok.boun.edu.tr.

The program at SFL aims to develop students' academic English skills throughout an academic year and to provide the necessary foundation for students to pursue their English-medium academic studies at the university. The exit level upon the completion of the program is B2+. Students are required to pass the Boğaziçi University English Proficiency Exam (BUEPT) or get an equivalent TOEFL or IELTS score in order to successfully complete the English preparatory program.

1. The Unit of Advanced English

The Unit of Advanced English aims to offer students a wide variety of electives that will contribute to their cultural formation and confidence in written and oral expression in English as well as help them adopt a lifelong respect for ethical standards and critical thinking.

Our Unit offers two sets of courses with credit: required courses and courses offered as unrestricted or complementary HSS electives. In both sets, special emphasis is given to encouraging students to become intellectually engaged with diverse aspects of cultural and social issues through the medium of a wide variety of texts in English. To this end, all courses aim at extensive practice in analysis at differing levels. Hence AE courses should be seen as part of an intellectual adventure through which students can further develop their literacy skills and learn to think critically about universally generated knowledge and culture while at the same time enjoying a concentrated opportunity to improve their academic skills in English. This general approach of the Unit is made possible thanks to the diversity in teaching and research interests of its academic staff.



EDWARD MITCHELL

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keywords

Pre-modern political economy. Social logic. Utopian studies

education

BA, Department of Near Eastern Studies, Princeton University, 1976

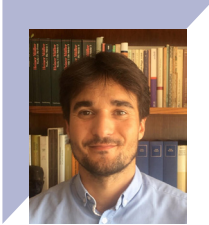
MA, Department of Near Eastern Languages and Cultures, University of California, Los Angeles, 1983

PhD, Department of History, University of California, Los Angeles, 1993

2. English Preparatory Division

The School of Foreign Languages has several functions. The first of these is to instruct incoming students in academic English so that at the end of their preparatory year they can be admitted to the Freshman class or to post-graduate study. The School administers an English Proficiency Examination to all students entering the university. Those who are found proficient enter directly into the Freshman program. Those who are not yet proficient begin a course in Intensive English where the skills of listening, reading, writing and speaking are taught. At the same time, the School of Foreign Languages operates as a service unit to the University offering elective English, French and German courses at all levels.

3. Modern Languages Unit



BENOIT ELLERBACH

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🌐 <http://www.yadyok.boun.edu.tr/contact/search-results-eng.asp?ID=323>

keywords

Contemporary German Literature, Rafik Schami, German Literature of Migration, Gastarbeiterliteratur, Postcolonial Literature, Intercultural Studies, Socio-Poetics, Orientalism, Austrian Literature around 1900, Rainer Werner Fassbinder's Dramatic Works

education

BA, German Studies, Paris-Sorbonne University, 2005
MA, German Studies, Paris-Sorbonne University, 2007 "agrégation" in German Studies, 2008
PhD, German Studies, Paris-Sorbonne University, 2014

shortbio

Benoit Ellerbach is Assistant Professor of German Studies at Boğaziçi University since 2016, currently teaching in YADYOK German Literature, German Civilization, and GFL. He wrote his Master's Thesis on Rainer Werner Fassbinder's Theatrical Aesthetics, has an 'agrégation' in German Studies and completed his PhD in 2014 on Rafik Schami's Works (Title: "'Arabia' told in stories to the Germans: Intercultural Fictions by Rafik Schami"). From 2007 to 2012, he worked as a lecturer at University of Cologne (Germany), at University Paris-Ouest Nanterre La Défense, at University of Artois and at Ecole Normale Supérieure – Rue d'Ulm (France). From 2012 till 2015, he was a German Instructor at Boğaziçi University. His research focuses on 'Intercultural' Authorship, (Post-)orientalism and Postcolonialism in German Literature from the end of the 19th Century on with a special interest in German Literature of Migration and the Works of Rafik Schami.

affiliated research center

EA 3556 (Paris-Sorbonne)

3

Graduate Institutes

The Atatürk Institute For Modern Turkish History

The Atatürk Institute for Modern Turkish History offers graduate degrees in 19th and 20th century Turkish history. The program emphasizes the emergence, development and current issues of the modern Republic and neighboring countries in the Balkans, the Middle East, Eastern Europe and Turkic Central Asia. To this end, the Institute offers Master's and Ph.D. programs exposing graduate students from different backgrounds in social sciences to interdisciplinary and comparative approaches.

The Institute initiates independent research projects; builds up its own document collections and specialized library and archives; and convenes workshops, conferences and symposia designed to further scholarship in the field. It also organizes informal weekly seminars to encourage the formation of an intellectual milieu at the Institute where invited guests meet with graduate students for lively discussions.

Included among the responsibilities of the Institute at the undergraduate level are required courses on the History of the Turkish Republic for the entire student body at Bogazici University.



AYŞE BUĞRA KAVALA

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keywords Business history, comparative social policy, poverty, inequality and foundations of social solidarity

education BA, Laval University (Quebec,Canada), 1975
MA, Laval University, (Quebec,Canada),1976
PhD, McGill University (Montreal,Canada), 1981

shortbio

Buğra is a political economist who has been teaching at Bogaziçi University since 1986. She pursued research and published in the fields of history and methodology of economics, business history and comparative social policy. She is the co-founder of the Bogazici University research center Social Policy Forum where she initiated and conducted several studies on inequality, poverty and different foundations of social solidarity. Her books include *New Capitalism in Turkey: The Relationship between Politics, Religion and Business* (with O. Savaşkan, Edward Elgar, 2014), *State and Business in Modern Turkey* (State University of New York Press 1994), *On Economists and Human Behavior* (in Turkish, *İktisatçılar ve İnsanlar, İletişim* 1986), *Beyond the State- Market Dichotomy* (in Turkish, *Devlet-Piyasa Karşıtlığının Ötesinde, İletişim* 1995), *Capitalism, Poverty and Social Policy in Turkey* (in Turkish, *Kapitalizm, Yoksulluk ve Türkiye'de Sosyal Politika, İletişim* 2008). Her edited books in English are *State, Market and Organizational Form* (with B. Üsdiken, Walter de Gruyter 1997), *Reading Karl Polanyi for the 21st Century* (with K. Ağırtan, Palgrave MacMillan 2007), *Trajectories of Female Employment in the Mediterranean* (with Y. Özkan, Palgrave MacMillan 2012). She is the translator of Karl Polanyi's *The Great Transformation into Turkish*. Buğra's articles appeared in edited volumes and in such journals as *Economics and Philosophy*, *International Journal of Urban and Regional Research*, *Development and Change*, *Social Politics*, *International Journal of Middle East Studies*, *Middle East Studies*, *South Atlantic Quarterly*, *European Journal of Social Policy*, *Constellations*, *Labor Studies Journal*, *New Perspectives on Turkey*, *Raisons Politiques*, *MAUSS*. Buğra received the national Sedat Simavi Award and the TWAS (World Academy of Science) Celso Furtado Award for the Social Sciences. She is a member of the Science Academy Society, Turkey.

affiliated research center

Bogazici University Research center Social Policy Forum



SEVTAP DEMİRCİ

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keywords Ottoman/Turkish History, 19th-20th century

education BA, Marmara University, 1980
MA, Marmara University, 1982
MPhil, Cambridge University /England, 1990
PhD, London School of Economics and Political Science, 1998

shortbio Dr. Demirci was born in Istanbul, Turkey and graduated from the Faculty of Political Science, Marmara University also holding an MA from their Institute of Social Sciences. In 1990 she received her M.Phil. in International Relations from the University of Cambridge and completed her Ph.D. in the Department of International History at The London School of Economics and Political Sciences in 1998. Throughout the duration of her M.Phil and Ph.D, Dr. Demirci worked as part-time lecturer in the Faculty of Oriental Studies at the University of Cambridge. Dr. Demirci has national and international publications in a variety of academic journals. She is a public speaker who has delivered numerous speeches at several international conferences and universities, in addition to appearances on national television. She was also a part-time lecturer at the War Colleges in Istanbul until June 2016, and has published two books entitled: "Strategies and Struggles - British Rhetoric and Turkish Response: The Lausanne Conference 1922-1923" and "British Public Opinion towards the Ottoman Empire during the Two Crises: Bosnia-Herzegovina (1908-1909) the Balkan Wars (1912-1913)".

affiliated research center Historians Without Borders, Helsinki



IRMAK ERTÖR

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keywords	Political ecology, social economy, ecological economics, environmental justice, fisheries and aquaculture, peasant studies, environmental history
education	BA, Bogazici University, 2011 MA, Bogazici University, 2013 PhD, Autonomous University of Barcelona, 2017
shortbio	Irmak Ertör is an assistant professor in the Ataturk Institute for Modern Turkish History, Bogazici University, Istanbul. She holds a BA in Economics and an MA in Modern Turkish History from Bogazici University, Turkey. She has been a Marie Curie (ITN) early stage researcher of the ENTITLE project (European Network of Political Ecology) and completed her PhD on the "Political Ecology of Marine Finfish Aquaculture in Europe" in the Institute of Environmental Science and Technology, Autonomous University of Barcelona (ICTA-UAB). Before her current position, she has worked in ICTA-UAB as a post-doctoral researcher in the ERC-funded ENVJUSTICE project focusing on global fisheries conflicts and environmental justice. Currently, her research interests include political ecology, (blue) degrowth, socio-environmental conflicts and social movements of fisher communities, food sovereignty and environmental justice.
affiliated research center	ICTA-UAB, Research & Degrowth, ENTITLE Collective
affiliated research lab	FLOATS (Floating Laboratory of Action & Theory at Sea)



CENGİZ KIRLI

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🌐 <http://www.ata.boun.edu.tr/faculty/cengizkirli>

keywords

Ottoman History, 19th Century, Historiography, Digital Humanities, Archives

education

BS, Middle East Technical University, 1989
MSc, Middle East Technical University, 1993
PhD, Binghamton University, 2000

shortbio

Cengiz Kırılı received his BA degree from the Department of Political Science and Public Administration at METU in 1989 and his MA degree from the Department of Political Science of the same university in 1993. He continued his doctoral studies at Binghamton University and earned his PhD degree in 2000 with the thesis titled "The Struggle Over Space: Coffeeshouses of Ottoman, Istanbul, 1780-1845". After teaching in the U.S. at Binghamton University and Purdue University, Kırılı has been a faculty member at Atatürk Institute of Modern Turkish History in Boğaziçi University since 2003. He is the author of two books, "Sultan ve Kamuoyu: Osmanlı Modernleşme Sürecinde "Havadis Jurnalleri" (1840-1844) (Türkiye İş Bankası Yayınları, 2009) and "Yolsuzluğun İcadı; 1840 Ceza Kanunu, İktidar ve Bürokrasi" (Verita, 2015) as well as many articles. He is also the coordinator of the Archives and Documentation Center at Boğaziçi University.

affiliated research center

Archives and Documentation Center



ŞEVKET PAMUK

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<http://www.ata.boun.edu.tr/faculty/sevketpamuk>



keywords	Economic History of Ottoman Empire Turkey, Middle East and Europe Economic growth, institutions, prices and wages, economic inequality, plagues
education	BA and BS, Yale University, 1972 MA, Economics, University of California, Berkeley, 1974 PhD, Economics, University of California, Berkeley, 1978
shortbio	Şevket Pamuk is Professor of Economics and Economic History at Bogaziçi University, Istanbul since 1994. He is a leading economic historian and the author of many books and articles on Ottoman, Middle East and European economic history, most recently of Uneven Centuries: Economic History of Turkey since 1820 which will be published by Princeton University Press in 2018. Pamuk was Professor and Chair in Contemporary Turkish Studies at the London School of Economics from 2008 through 2013. He was President of European Historical Economics Society (2003-2005), President of Asian Historical Economics Society (2012-2014), Editor of European Economic History Review (2011-2014) and a member of Academia Europea and Science Academy, Istanbul.
affiliated research center	Economic History programme, Centre for Economic Policy Research, London Economic Research Forum, Cairo

Z. UMUT TÜREM

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keywords	Neoliberalism, globalization, development, law and society, regulation and governance, the state
education	BA, Boğaziçi University, 1999 MA, Boğaziçi University, 2001 PhD, New York University, 2010
shortbio	Z. Umut Turem is an assistant professor at the Ataturk Institute for Modern Turkish History at Bogaziçi University. His research interests include neoliberalism, globalization, political economy of law and regulation as well as broader questions of law and society. More specifically, he examines the production and global circulation of legal and economic technologies in the neoliberal era, such as competition laws, independent expert agencies and the legal notion of property. He recently edited (with three other colleagues) a volume entitled "The Making of Neoliberal Turkey" (Ashgate, 2016) and guest edited (with Andrea Ballesteri) a special issue of the Indiana Journal of Global Legal Studies entitled "Regulatory Translations: Expertise and Affect in Global Legal Fields" (2014). His recent articles appeared in differences: A Journal of Feminist Cultural Studies, Indiana Journal of Global Legal Studies and Journal of International Relations and Development.



BERNA YAZICI

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keywords

Politics of Welfare and The Family; Gender; Social Inequality; The Ethnography of The State and Bureaucracy; Urban Transport and Mobility

education

BA, Bogazici University, 1997
MA, New York University, 2000
PhD, New York University, 2007

shortbio

Berna Yazici is a socio-cultural anthropologist with interests in politics of welfare and the family; gender; social inequality; the ethnography of the state and bureaucracy and urban transport and mobility. Her dissertation fieldwork, funded by the Wenner-Gren Anthropology Foundation, examined the transformation of state-sponsored social work in Turkey in the context of larger political and socio-economic shifts. Her ethnographic analyses which situate the Turkish state's welfare politics in larger dynamics have appeared in the journals *Anthropological Quarterly* and *New Perspectives on Turkey*. Her teaching interests include debates on theorizing processes of neoliberalization and her written work on the topic appear in the journal, *Toplum ve Bilim*. In addition, Dr. Yazici focuses on the relationship between urban transport and social inequality. Her article entitled "Towards an Anthropology of Traffic" and published in the journal, *Ethnos: Journal of Anthropology*, argues that the daily experience of traffic is a theoretically underutilized medium for examining social inequality in a global, urban social order. Dr. Yazici's analysis demonstrates the analytic potentials the focus on the domain of traffic offer for understanding urban inequality by ethnographically tracing class inequalities in the daily experience of transport in Istanbul. Dr. Yazici continues to work on state social work policy in Turkey. In 2012, she was awarded a grant by the American Institute in Turkey for her research. In 2012, she also received Bogazici University's Outstanding Success in Research Award for Junior Faculty. Her current research project, funded by Bogazici University, focuses on child protection policy and institutions, ethnographically exploring the long-term effects that the state policy and institutions have on individuals' lives.

The Institute of Biomedical Engineering

The field of Biomedical Engineering is concerned with the application of engineering technology and science methodology to the analysis of biological, physiological and health care problems. The Institute of Biomedical Engineering is an interdisciplinary graduate school established in 1982. The Institute aims at providing a high-level education to graduate students from various backgrounds including engineering, fundamental sciences as well as health sciences, and to conduct state of the art research in various topics of the field jointly with physicians to develop new health care practices and instrumentation. Accordingly, MSc and PhD degrees are offered in several areas of concentration including Biomaterials, Biomechanics, Biomedical Instrumentation, Biophotonics, Clinical Engineering, Medical Imaging, and Neuroengineering. Numerous research laboratories conduct related research lead by faculty members.

Biomaterials laboratory (Dr. Bora Garipcan), and Biomaterials Production and Characterization Laboratory (Dr. Duygu Ege) conduct research in the area of Biomaterials. The former is focused on engineering of surfaces by changing surface properties (stiffness, topography, chemistry and biochemistry) for controlled and directed cellular behavior (i.e., adhesion, proliferation, differentiation). The latter is focused on tissue regeneration, injectable scaffolds and drug delivery devices with the emphasis on bone tissue.

Biomechanics laboratory (Dr. Can Yücesoy) is focused on mechanics of the musculoskeletal system, with the emphasis on skeletal muscle structure and function. The lab develops novel viewpoints and new paradigms to substantially improve our understanding of skeletal muscle function in health and disease, unknown etiology of several pathologies (e.g., spastic cerebral palsy) and mechanisms of effects of treatment techniques (e.g., botox injections, surgery and kinesio taping) and is expanding in the fields of motion biomechanics and sports biomechanics.

Biodesign laboratory (Dr. Özgür Kocatürk) is focused on medical device and implant design, image guided interventions, biomaterials, bioMEMs. The lab in collaboration with Dr. Albert Guveniş aims at developing a novel mouthpiece device that eliminates the drawbacks of the current oral appliances used for sleep apnea treatment. **Medical Device Testing Laboratory (Dr. Yekta Ülgen)** offers key services to several health institutions and enriches research and development in the area of Biomedical Instrumentation. In addition, **Robotics Laboratory (Dr. Mehmed Özkan)** excels in development of prosthetic devices. The group in collaboration with **Dr. Burak Güçlü and Dr. Özgür Kocatürk** aims at developing a novel anthropomorphic robotic hand that can fulfill both mechanical and sensory functions.

Biophotonics Laboratory (Dr. Murat Gülsoy) works on design and development of new medical laser systems. Ongoing research includes antibacterial photodynamic therapy, biostimulation in wound healing process, corneal and skin tissue welding, laser debonding of orthodontic ceramic brackets, laser etching of enamel, optical characterization of biological tissues, stereotaxic laser neurosurgery and temperature controlled surgical laser system design.

Computational Imaging Laboratory (Dr. Esin Öztürk Işık), Medical Imaging Laboratory and X-Ray Laboratory (Dr. Cengizhan Öztürk) conduct research in Medical Imaging. Computational Imaging Lab aims at developing novel quantitative molecular magnetic resonance imaging techniques to allow for a better understanding of the underlying biochemistry of diseases with the focus on the brain. Medical Imaging Lab's main research activities are image guided medical interventions, interventional imaging, neuro- and cardiac MRI.

Tactile Research Laboratory (Dr. Burak Güçlü), Neurosignal Analysis Laboratory (Dr. Ahmet Ademoğlu) and Cellular Imaging and Electrophysiology Laboratory (Dr. Hale Saybaşılı) conduct research in the area of Neuroengineering. Tactile Research Lab studies the somatosensory system, specifically the sense of touch by using various experimental techniques. Neurosignal Analysis Lab aims at developing computational research tools to model the data obtained from EEG and fMRI measurements for the functional neuroimaging of the human brain. Cellular Imaging and Electrophysiology Lab focuses on animal experiments to accomplish electrophysiological recordings from brain slice cells and image intracellular ionic movements. The research allows characterizing pathologies, developing effective tools to understand and visualize the data used to diagnose pathologies related to the nervous system and to assess the impact of treatment methods.

**DUYGU EGE**

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🌐 <http://www.bme.boun.edu.tr/teachers/56>

keywords	Biomaterials, Tissue Engineering, Advanced Materials
education	BS, Imperial College, 2008 MSC, Imperial College, 2009 PhD, University of Cambridge, 2013
shortbio	Duygu Ege is Assistant Professor at Boğaziçi University, Institute of Biomedical Engineering. She has a PhD in Medical Materials from University of Cambridge and a Master of Engineering degree in Materials Science and Engineering from Imperial College, London. Her research so far has concentrated on production and processing of novel biomaterials including bioactive and bioinert ceramics, carbonaceous materials and polymers for bone replacement, implant coatings, nerve regeneration, muscle tissue engineering and drug delivery devices.
affiliated research center	Center for Life Sciences and Technologies
affiliated research lab	Biomaterials Production and Characterization Laboratory

**BORA GARİPCAN**

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🌐 <http://bioscubus.boun.edu.tr>

keywords	Biomaterials, Biomimetic Structures, Cell-Surface Interactions, Biosensors
education	BS, Hacettepe University, 1999 MSc, Hacettepe University, 2001 PhD, Hacettepe University, 2008
shortbio	Dr. Garıpcan received his BSc(1999) from Hacettepe University, Department of Chemistry, and his PhD (2008) in Bioengineering from Hacettepe University, Ankara Turkey. He was a Marie Curie Post-Doctoral fellow in Friedrich-Schiller University, Institute of Materials Science and Technology, Jena, Germany from 2008-2009. His main research areas are; Biomimetic, Bioinspired materials and Biosensors. He is a member of Boğaziçi University, Institute of Biomedical Engineering since July 2011. Garıpcan's research focuses on surface engineering of several medical surfaces (such as Ti, Si, Au, biodegradable polymers, and elastomers) by changing surface properties (stiffness, topography, chemistry and biochemistry) for controlled and directed cellular behavior (adhesion, proliferation, and differentiation).



BURAK GÜÇLÜ

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keywords

Tactile physiology and psychophysics; Computational neuroscience; Sensory Systems; Biomedical instrumentation; Neuroprosthetics; Neuroengineering; Neurotechnology

education

BS, Istanbul Technical University, 1997
MS, Syracuse University, 1999
PhD, Syracuse University, 2003

shortbio

Burak Güçlü received a B.S. degree in Control and Computer Engineering from İstanbul Technical University in 1997 and an M.S. degree in Bioengineering from Syracuse University in 1999. He worked as a teaching assistant for Biocontrol Systems and Bioinstrumentation Laboratory. He recorded from tactile nerve fibers of cats at Institute for Sensory Research (ISR) in Syracuse, New York. In 1999-2000, Dr. Güçlü attended University of Michigan in Ann Arbor and studied sensory systems of insects at Advanced Technology Laboratories, and of guinea pigs at Kresge Hearing Research Institute using multi-electrodes. Then, he returned to ISR and worked on mathematical modeling of the sense of touch. He performed psychophysical experiments on human subjects and tested computational models. He received his Ph.D. degree in Neuroscience from Syracuse University in 2003. During his post-doctoral year, he studied species-specific vocalizations and recorded from the prefrontal cortex of awake-behaving macaque monkeys in the medical school of University of Rochester. Dr. Güçlü has been with Institute of Biomedical Engineering at Boğaziçi University since 2004. He is the director of Tactile Research Laboratory at the Institute and has founded the University Vivarium in Center for Life Sciences and Technologies Research. His research focuses on the transformation of tactile information from the periphery to the cortex, and it involves spike recordings from rat cortical neurons in the hindlimb area. He has recently completed a project to develop cortical neuroprostheses for tactile feedback, and is associated with an EU consortium on graphene electrodes for novel neural interfaces.

affiliated research center

Institute of Biomedical Engineering; Center for Life

affiliated research lab

Tactile Research Laboratory; University Vivarium



MURAT GÜLSOY

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keywords

Laser-tissue interactions, Photobiomodulation, Surgical Laser Systems, Photodynamic Therapy, Lasers in Dentistry, Laser Tissue Welding, Photothermal Applications

education

BS, Boğaziçi University, Electrical Electronics Engineering, 1989

MA, Boğaziçi University, Psychology, 1992

PhD, ITU, Biomedical Engineering, 2000

shortbio

Murat Gülsoy received his BS in Electrical Engineering, MA in Psychology from Boğaziçi University and PhD degree in Biomedical Engineering from Istanbul Technical University. He studied evoked brain potentials for his Masters research. He studied on thermal aspects of laser-tissue interactions in the Biomedical Engineering Program at Istanbul Technical University during his PhD study. He is a Professor with the Institute of Biomedical Engineering at Boğaziçi University.

Murat Gülsoy is also affiliated with Nâzım Hikmet Culture and Art Research Center as an fiction author and creative writing educator.

affiliated research center

LifeSci, Nâzım Hikmet Culture and Art Research Center

affiliated research lab

Biophotonics Lab



ALBERT GÜVENİŞ

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keywords	Molecular Imaging, Statistical Modelling, Design Optimization, Monte Carlo Simulation, Circuits and Systems, Detection and Estimation Theory
education	BS, Bogazici University, IST/TK MSc, Drexel University, USA PhD, Drexel University, USA
shortbio	Dr. Albert Güveniş received his PhD. degree from the Department of Electrical and Computer Engineering at Drexel University, Philadelphia, USA. He then served as faculty member at the Radiology Dept. in the Hospital of the University of Pennsylvania, Philadelphia, USA where he joined a research team to develop a new Positron Emission Tomography scanner. He also served as faculty at the Evening College at Drexel university. He then joined the Institute of Biomedical Engineering at Bogazici University, Istanbul, Turkey where he participated in a major multinational project cosigned by Prof Necmi TANYOLAC and Dr. Joel NOBEL of ECRI, Philadelphia, USA. He was active in the establishment of standardization of imaging systems and cooperated with Emergency Care Research Institute ECRI, Philadelphia, USA, Joint Commission of Accreditation of Healthcare Organizations, JCAHO, Chicago, USA and World Health Organization, WHO, Geneva, SWITZERLAND. He initiated a number of EU and non EU educational programs in the institute. His main current interests are circuits and systems, Monte Carlo simulation, design optimization and their biomedical applications, in particular, molecular imaging.
affiliated research center	Life Sciences Center BU
affiliated research lab	Moffitt Cancer Research, Precision Medicine Group



ÖZGÜR KOCATÜRK

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🌐 <http://www.bme.boun.edu.tr/teachers/49>

keywords Image-guided interventions, MRI, Medical Devices, Biomaterials, Micro Electro Mechanical Systems

education BS, Bogazici University, 1999
MSc, Bogazici University, 2003
PhD, Bogazici University, 2009

shortbio Dr. Özgür Kocatürk was graduated from Boğaziçi University, Department of Physics in 1999. He received his MSc. and PhD Degree in Institute of Biomedical Engineering from Boğaziçi University in 2002 and 2009 respectively. During and after his PhD, he had been working as a staff scientist at National Heart Lung and Blood Institute of National Institutes of Health in Maryland, U.S.A between 2004 and 2012. He has been working as an assistant professor at the Institute of Biomedical Engineering, Bogazici University since 2012. He has been awarded National Institutes of Health Merit Award (2009), NIH Orloff Science Award (2013) and National Science Academy Young Scientist Award (2014). His main research areas are; Biomaterials, intravascular devices and implants designed for interventional magnetic resonance imaging (MRI), radio frequency safety under MRI, catheter robotics, micro electro mechanical systems (MEMS).

affiliated research center Life Sciences and Technologies Research Center

affiliated research lab Biomedical Instrumentation Lab Medical Device Research and Fabrication Core Facility Cleanroom



CENGİZHAN ÖZTÜRK

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keywords

Medical Imaging, MRI, Image Guided Therapy, in vivo Medical Devices, Biomedical Engineering, Cardiac Physiology, Neurophysiology, Health Technology Development, University Industry Collaboration Platforms, Regional Health Cluster

education

MD, Marmara University, 1990
Physiology Specialization, Istanbul University Cerrahpasa Medical Faculty, 1994
PhD (BME), Drexel University (USA), 1997

shortbio

Cengizhan Ozturk (MD, PhD), works as a faculty member at the Institute of Biomedical Engineering (BME), Bogazici University, Istanbul. He established Bogazici University Medical Imaging Laboratory (BUMIL), where on average 15-20 graduate-level BME students perform their research on a wide-gamut of medical imaging topics. Dr. Ozturk managed to hold a parallel visiting research scientist position at Cardiac Interventions Program, NHLBI, NIH, for five years (2002-2008). His research at NHLBI focused on real-time MRI, XMR fusion and MR-guided medical interventions (>70 publications and >2000 citations). Additional highlights: - Between 2008-2013, Dr. Ozturk coordinated a university-wide effort to establish a multidisciplinary research center focused on life sciences and health technologies, funded by the Turkish Ministry of Development. The Center for Life Sciences and Technologies of Bogazici University is now supported by over 60 faculty members distributed among 11 academic departments/institutes. It is currently in the rollout phase of several important national research infrastructures: 1) Microsystem Based in vivo Device Development Laboratory with a dual-purpose clean room that combines MEMS capability with medical plastic/metal processing for development of novel in vivo medical devices (led by Dr. Ozturk), 2) Small Animal Research Center (Vivarium), 3) Smart Drugs Laboratory. - Since 2011, Dr. Ozturk is coordinating the Istanbul Cooperation Platform for Life Sciences and Technologies (Inovita), funded originally by Istanbul Development Agency. Dr. Ozturk is also coordinator of ISEK (Istanbul Health Industry Cluster) which was selected to be supported for 5 years by The Turkish Ministry of Science, Industry and Technology. Main focus of Inovita and ISEK is to create an environment to foster translational research and entrepreneurial activities, and ultimately support the growth of regional health industry.

affiliated research center

Center for Life Sciences and Technologies, Bogazici University (BU-LifeSci, <http://lifesci.boun.edu.tr/>)

affiliated research lab

- Bogazici University Medical Imaging Laboratory (<http://www.bumil.boun.edu.tr/>)
- Istanbul Cooperation Platform for Life Sciences and Technologies (Inovita, <http://www.inovita.org>)
- Istanbul Health Industry Cluster (<http://www.i-sek.org>)



ESİN ÖZTÜRK IŞIK

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keywords

Magnetic resonance imaging, magnetic resonance spectroscopic imaging, cancer, neurodegenerative diseases, image processing, machine learning, deep learning, statistical data analysis

education

BS, Middle East Technical University, 1999

MSc, University of Alabama at Birmingham, 2001

PhD, University of California at Berkeley / University of California at San Francisco, 2007

shortbio

Esin Öztürk Işık holds a faculty appointment at the Biomedical Engineering Institute of Bogazici University. She has co-authored several research articles and conference proceedings in the field of magnetic resonance imaging (MRI). The main aim of her projects has been developing novel molecular magnetic resonance imaging techniques to allow for a better understanding of underlying biochemistry of diseases in order to improve patient health. The technical projects at her laboratory has focused on designing new algorithms for molecular MR imaging data acquisition, post-processing and quantitation, as well as biostatistical analysis. Her laboratory has also worked on developing computational methods based on machine learning for MR image analysis for understanding disease mechanisms. The main focus of technical projects has been developing novel quantitative molecular MR imaging methodologies for fast and accurate data acquisition and processing. She has worked on translating all the projects developed at her laboratory into the clinics in collaboration with the clinical investigators for the benefit of the patients. The projects she has proposed have focused on brain tumors, Parkinson disease, and prostate cancer with the overarching goal of studying metabolism in various human systems.

affiliated research center

Boğaziçi University Center for Life Sciences and Technologies

affiliated research lab

Computational Imaging Laboratory



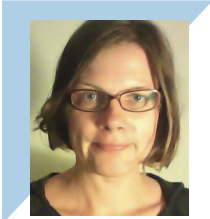
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keywords	Neurodegenerative Diseases, Cellular Models of Neurodegenerative Diseases, Excitotoxicity, Neuroimaging by Fluorescent Dyes
education	BS, Middle East Technical University, 1980 MSc, Middle East Technical University, 1982 PhD, Bogazici University, 1995
shortbio	Hale Saybasili is a Professor in Bogazici University, Biomedical Engineering Institute. Her research interests include Electrophysiology, Neurochemistry, Neuropathology, Cellular Physiology and Molecular Biology. Also, the Brain Lateralization in selective brain activities is her recent research interest. Dr. Saybasili gives lectures on Signal Transmission, Neurochemistry and Neural Conductance. Her laboratory is "Cellular Imaging and Electrophysiology" is in Bogazici University, Kandilli Campus. Dr. Saybasili published 13 research papers (SCI and SCIE) and 2 book chapters, and has 137 citations to those papers.
affiliated research center	Duesseldorf Heinrich-Heine University Physiology Department
affiliated research lab	Cellular Imaging and Electrophysiology Lab, Cell Culture Lab



DANIELA SCHULZ

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keywords	Behavioral neuroscience, depression, motivation. Behavioral neuroimaging, positron emission tomography
education	BA, Boğaziçi University, 1996 MA, Boğaziçi University, 1998 PhD, University of Düsseldorf, Germany, 2005
shortbio	<p>EMPLOYMENT Post-doc @ University of Düsseldorf, Institute of Physiological Psychology, Germany 2005 - 2006. Post-doc @ Brookhaven National Laboratory, Medical Department, NY, USA 2006 - 2011. Research Assistant Professor & Senior Research Scientist @ Stony Brook University, Department of Neurobiology and Behavior, NY, USA 2011 – 2014. Assistant Professor @ Yeditepe University, Department of Psychology, 2014 – 2018. Assistant Professor @ Boğaziçi University, Institute of Biomedical Engineering, 2018 – Present. RESEARCH EXPERIENCES Dr. Daniela Schulz has a broad background in psychology, but is specialized in behavioral neuroscience. She has a long-standing interest in animal models of depression, and also co-developed a model which views operant extinction after the withdrawal of reinforcement as a source of stress and despair. She is using behavioral, neuropharmacology, and neuroimaging methods to study depression and motivation in animal models. She has developed a method of behavioral neuroimaging which uses the RatCAP miniature PET to allow for PET scanning during behavior and, thus, exploration of the ways that dynamic and transient behaviors are reflected in PET data. Her work was featured in the press, incl. Nature News and the New York Times. Dr. Schulz has published 35 articles with nearly 1000 citations. She serves on the editorial board of Behavioural Brain Research and is the guest editor of a special issue on Behavioral Neuroimaging and on Depression Symptomatology.</p>
affiliated research center	Center for Life Sciences and Technologies (http://lifesci.boun.edu.tr)



CAN A. YÜCESOY

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keywords

Tissue Biomechanics, Motion Biomechanics, Skeletal Muscle Mechanics, Musculoskeletal System, Muscle Spasticity, Botox Injections, Fascia, Muscular Force Production and Transmission Mechanisms, Kinesio Taping, Sports Biomechanics

education

BS, Middle East Technical University, 1993
MSc, Middle East Technical University, 1997
PhD, University of Twente, 2003

shortbio

Can Yücesoy received his BS and MSc degrees from the Mechanical Engineering Department of Middle East Technical University, Ankara. He received a PhD degree from the Biomechanical Engineering Group of the Mechanical Engineering Department of University of Twente, the Netherlands in 2003, followed by a post-doc fellowship at Faculty of Human Movement Sciences at the Vrije Universiteit, Amsterdam, the Netherlands. Currently, he is a fulltime faculty member and the Director of the Institute of Biomedical Engineering in Boğaziçi University, Istanbul. He is the coordinator of the Biomechanics Lab. His main research interest is in biomechanics, experimental and finite element analysis of skeletal muscle mechanics and analysis of human motion. The Lab conducts advanced Magnetic Resonance Imaging analyses and intra-operative muscle force measurements during orthopaedic surgery in human participants/patients. In particular, there is a focus on myofascial force transmission between muscles and other tissues. Current study topics include assessment of mechanics of spastic muscles of cerebral palsy patients, experimental and modelling analyses of the mechanism of previously unknown effects of Botulinum Toxin Type-A injections, studies aiming at revealing kinesio taping effects and mechanisms of effects of other therapeutic techniques, and sports biomechanics.

affiliated research center

Faculty of Human Movement, Vrije Universiteit, Amsterdam Fascia Research Society

affiliated research lab

Biomechanics Laboratory, Tissue Laboratory, BU Medical Imaging Laboratory, EE-Volumetric Analysis and Visualization Lab

The Institute of Environmental Sciences

Institute of Environmental Sciences (IESc) at Boğaziçi University provides comprehensive educational and research opportunities in environmental sciences and technology. The principal focus areas include: environmental chemistry; microbial systems ecology; conservation ecology; ecotoxicology; renewable energy options; systems modeling for sustainability analysis; cleaner production; GIS-aided studies; fate and transport of pollutants in water, air and soil; water quality modeling; drinking water treatment; wastewater treatment; groundwater contamination and modeling; solid waste management; hazardous waste management. Because of the multidisciplinary credentials of its faculty, the excellence of its research facilities, and extensive collaboration with other engineering and science faculty, the program attracts high-caliber students from a variety of engineering and science disciplines. IESc is also a key component in the campus initiatives on Sustainable Technology & Development, Solid Waste Management, and Energy Systems.

The Environmental Science Program at the Institute of Environmental Sciences is an interdisciplinary program to help understand the underlying causes of environmental problems and encourages an active search for solutions. The field merges the perspectives of traditional disciplines of pure sciences and social sciences, as well as engineering. The program is designed to give the students multi-disciplinary training in a broad spectrum of subject matter and provide analytical tools. Students from diverse science backgrounds can apply their knowledge and skills to determine the causes and consequences of environmental problems and formulate solutions.

Environmental Technology consists of techniques that are employed in the control of environmental pollution, reduction of pollution and the efficient management of resources. In accordance with this, topics such as water supply and treatment, surface water pollution, groundwater pollution, wastewater collection and treatment, air pollution and control, soil pollution, solid waste generation and disposal, use of renewable energy sources, recycling of solid wastes are all within the scope of Environmental Technology. Although Environmental Sciences and Environmental Technology topics intersect each other in many ways, the distinctive feature of Environmental Technology is its application-oriented character.

The education in the Environmental Technology Division appeals mostly to students from engineering disciplines. Therefore, the Environmental Technology Division at IESc accepts students from backgrounds such as Environmental Engineering, Chemical Engineering, Civil Engineering etc. and offers them mainly courses and research opportunities in following areas: Water Pollution and Control, Air Pollution and Control, Solid Waste and Disposal, and Use of Renewable Energy.

Institute of Environmental Sciences Labs:

- Purification Sludge (Biosolids) Laboratory
- Biotech Laboratory
- Environmental Analysis Laboratory
- Anaerobic Biological Purification Laboratory
- Advanced Oxidization Processes Laboratory
- Solid Waste Laboratory
- Molecular Ecology and Phylogenetics Laboratory
- Soil Pollution Laboratory
- Toxicity Laboratory



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keywords Advanced Oxidation Processes, Ozonation, UV irradiation, Membrane Processes, Pharmaceutical Pollution, Antimicrobial Pollution

education BS, Istanbul University, 1982
MSc, Istanbul University, 1985
PhD, Bogazici University, 1990

shortbio Işıl Balcıoğlu is a Professor of Institute of Environmental Science where she has been a member of the faculty since 1990. Balcıoğlu holds B.Sc. and MSc degrees in Chemical Engineering. Her doctoral research was conducted on the photocatalytic process for water treatment. She spent a short period as a visiting scholar at the University of Vienna for a research on the treatment of water with ozone, gamma and UV radiation. Dr. Balcıoğlu's research expertise is in the areas of physicochemical processes mainly Advanced Oxidation for Xenobiotics and Membrane Processes for Material Recovery, and Fate/Occurrence of Micropollutants. She was awarded the 2001 Young and 2013 Senior BUVAK awards for outstanding success in research. Dr. Balcıoğlu has over 55 refereed journal publications.

affiliated research lab İleri Oksidasyon Prosesleri Laboratuvarı

RAŞİT BİLGİN

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keywords Molecular ecology, evolutionary biology, conservation, environmental DNA

education BS, Bogazici University, 1998
MSc, Bogazici University, 2000
PhD, Columbia University, 2006

shortbio Raşit Bilgin obtained his PhD in the program of Ecology and Evolutionary Biology at Columbia University in the City of New York in 2006. Since 2007, he has been employed as faculty at the Institute of Environmental Sciences of Boğaziçi University. His research focus includes the molecular ecology, evolution and conservation of various organisms in and around Turkey, and the western Palearctic. He uses both Sanger-based and next-generation sequencing approaches to study:

- Phylogeography of mammals (bats, bears, wolves, dolphins), fish, marine invertebrates (crabs, shrimp, mussels), rye, and wheat
- DNA barcoding of bats, birds, marine invertebrates
- Metabarcoding of fish from Turkey coasts and Antarctica
- Fecal-based diet analyses of large mammals (wolf, lynx, bear, fox)
- Transcriptomics responses of mussels to salinity gradients around Turkey coasts

affiliated research center Boğaziçi University Climate Change Research Center

affiliated research lab Molecular Ecology and Conservation Lab



NİLGÜN CILIZ

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keywords

Sustainable Development, Cleaner Production, Resource Conservation, Environmental sustainability applications for agricultural and industrial products, Life Cycle Assessment

education

BSc, Istanbul Technical University, Chemical Engineering, 1991

MSc, Boğaziçi University, Institute of Environmental Sciences, 1993

PhD, Boğaziçi University, Institute of Environmental Sciences, 1998

shortbio

Assoc. Prof. Nilgün Ciliz graduated from Istanbul Technical University (ITU), Department of Chemical Engineering and started her doctorate thesis study at the University of Strathclyde in Scotland on the topic of “energy from waste”, completing it at Boğaziçi University, Institute of Environmental Sciences. Served as a Senior Researcher at TÜBİTAK-MAM Institute of Energy and Environmental Research until 2002. During the same period, became one of Turkey’s first six “Cleaner Production Specialists” after completing a three year hands-on training from the Danish Technological Institute. Completed her Post-doctoral studies on “Life Cycle Assessment” at the Technical University of Denmark, Institute of Product Development. She is currently continuing her academic career as a full-time faculty member at Boğaziçi University, Institute of Environmental Sciences. Ciliz is also the Director of Boğaziçi University, Sustainable Development and Cleaner Production Center and the Coordinator of the University’s Sustainable and Green Campus Programme. Ciliz who coordinates and carries out various projects on technical and managerial levels for integration of sustainable production and consumption applications to manufacturing sector, is also an expert in energy, fuel and chemical production from waste and biofuels. Ciliz is currently undertaking the role of National Focal Points for various international organizations and is a commission member of prominent national and international organizations active in fields of environmental protection and/or sustainability and a jury member in competitions conducted in those fields.

affiliated research center

Bogazici University Sustainable Development and Cleaner Production Center

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**keywords**

Environmental Engineering, Fate and Transport of Pollutants in the Environment, Stochastic Modeling of Groundwater Flow and Contaminant Transport, Subsurface Characterization, Groundwater Remediation, Air Pollution and Control

education

BE, American University of Beirut, 1988
ME, University of California at Berkeley, 1990
PhD, University of California at Berkeley, 1994

shortbio

Nadim Copty is currently a professor at the Institute of Environmental Sciences at Bogazici University, Istanbul, Turkey. Prof. Copty has more than 25 years of experience working on environmental pollution related problems. He received his doctoral degree in 1995 from the Department of Civil and Environmental Engineering at the University of California, Berkeley. Subsequently, he worked for 5 years as a senior hydrogeologist at Bechtel Corporation in San Francisco, USA. In 2000 he joined the Institute of Environmental Sciences at Bogazici University. His research interests focus on environmental remediation with emphasis on the modelling of groundwater flow and contaminant transport, characterization of heterogeneous subsurface formations, and groundwater remediation. He is the co-author of more than 60 refereed international journal articles and conference proceedings.



FERHAN ÇEÇEN

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keywords	Environmental Biotechnology, Water and Wastewater Treatment, Adsorption Processes, Removal and Effects of Hazardous in Biological Processes, Biological Nutrient Removal
education	BSc, Bogazici University, Chemical Engineering, 1984 MSc, Istanbul Technical University, Environmental Engineering, 1986 PhD, Istanbul Technical University, Environmental Engineering, 1990
shortbio	Ferhan Çeçen was born in 1961. She is a professor at the Institute of Environmental Sciences, Bogaziçi University in Istanbul. She received her B.Sc. Degree in Chemical Engineering from Bogaziçi University (1984), M.Sc. (1986) and Ph.D. degrees (1990) in Environmental Engineering from the Technical University in Istanbul. Her studies generally focus on the process characterization in water and wastewater treatment. The major part of these studies is within the scope of environmental biotechnology with a special emphasis on nitrification, denitrification, biofilm kinetics, activated sludge kinetics, domestic wastewater, industrial wastewater and leachate treatment, inhibitory effects of specific organic compounds and heavy metals on biological treatment systems. She has conducted many studies on combination of adsorption and biological processes for elimination of specific toxic and/or slowly biodegradable organic pollutants. She is the author of the book titled "Activated Carbon for Water and Wastewater Treatment: Integration of Adsorption and Biological Treatment", published in 2011 by Wiley-VCH. She is also the chief editor of the book "Hazardous Pollutants in Biological Treatment Systems: Fundamentals and a Guide to Experimental Research" published in 2017 by IWA Publishing in 2017.
affiliated research center	Institute of Environmental Sciences, Bogazici University
affiliated research lab	Laboratory of the Institute of Environmental Sciences



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keywords Modeling social-ecological systems, climate change impacts, water quality modeling

education BS, Middle East Technical University, 2001
MSc, Northeastern University, 2006
PhD, University of Michigan, Ann Arbor, 2013

shortbio Dr. İrem Daloğlu Çetinkaya received her B.S degree from Middle East Technical University, Geological Engineering and M.Sc degree from Northeastern University, Engineering Management as a Fulbright Scholar. Her doctoral degree is from School of Environment and Sustainability at University of Michigan, Ann Arbor, with a special focus on resource conservation and policy. She continued to work as a research fellow focusing on water quality modeling at the same institution. She joined the faculty of Bogazici University in 2015. Her research interests include modeling social ecological systems and she has been part of interdisciplinary teams to investigate the role of decision makers on the sustainability of ecosystems especially in the realm of food-water-energy nexus. She also conducts research to model and understand the impacts of climate change on freshwater ecosystems. She received the Outstanding Instructor Award from Boğaziçi University in 2018.

BURAK DEMİREL

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keywords Anaerobic digestion processes, Biogas engineering, Fate of nanomaterials in the environment, Solid waste management, Waste to energy

education BS, Technical University of İstanbul, 1994
MSc, Boğazici University, 1996
PhD, Boğazici University, 2003

shortbio Burak Demirel was born in Ankara in 1972. He graduated from Kadıköy Anatolian College in İstanbul in 1990 and he obtained his BS from the Technical University of İstanbul (ITU) in Metallurgical Engineering in 1994. Dr. Demirel received his M.Sc. and Ph.D. degrees from the Institute of Environmental Sciences at Boğaziçi University in the field of Environmental Technology. Between 2005 and 2009, he pursued post-doctoral studies at the University of Applied Sciences Hamburg (HAW Hamburg), Germany, as a German Academic Exchange Service (DAAD) scholar at the Faculty of Life Sciences. Dr. Demirel is working as a full-time faculty member at the Institute of Environmental Sciences since 2009. The main areas of teaching and research interests of Dr. Demirel are anaerobic digestion process, biogas engineering, solid waste management, global climate change and the fate and behavior of engineered nanomaterials in the environment.

affiliated research center The Institute of Environmental Sciences

affiliated research lab Biogas Engineering



AYŞEN ERDİNÇLER

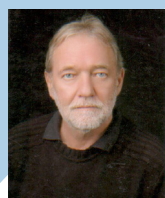
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🌐 <http://www.esc.boun.edu.tr/>

keywords Treatment and management of wastewater sludges, waste to energy systems, biogas and biodiesel production from biomass, and biological wastewater treatment

education BS, Middle East Technical University, Ankara, Turkey, 1986
MS, Middle East Technical University, Ankara, Turkey, 1989
MSc, Duke University, Durham, NC, USA, 1991
PhD, Duke University, Durham, NC, USA, 1996

shortbio Ayşen Erdinçler has taken her B.S degree and her first MS degree from Department of Environmental Engineering, Middle East Technical University, Turkey, 1986 and 1989 respectively. She has taken her second MS and Ph.D. degrees from Civil and Environmental Engineering Department of Duke University, Durham, North Carolina, USA in 1991 and 1996 respectively. She worked in the same university as a post-doctoral researcher. Prof. Erdinçler has started to work in Boğaziçi University as an Assistant Professor in 2002 and she is the full Professor of Boğaziçi University since 2008. Her interest areas are treatment and management of wastewater sludges, waste to energy systems, biogas and biodiesel production from biomass, and biological wastewater treatment.



ANDRZEJ FURMAN

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keywords Molecular Ecology, Bats, Phylogenetics, Phylogeography

education MSc, University of Wroclaw, Poland, 1978
PhD, Bogazici University, 1992

shortbio Andrzej Furman is a professor in the Division of Environmental Sciences at the Institute of Environmental Sciences of the Boğaziçi University. Dr. Furman graduated from Wroclaw University, Poland, with MSc degree in physics and biophysics. He received his PhD from the Institute of Environmental Sciences of the Boğaziçi University. His topics of interest are evolution, molecular ecology, and statistics. Presently he works on biodiversity patterns, speciation, and phylogenetics of the bent-wing and the large mouse-eared bats in Turkey. Dr. Furman has published over 30 research articles on topics such as social aspects of environmental issues, analyses of lead body burden in Turkey, molecular ecology and phylogeography of cave-dwelling bats in Turkey and Western Palearctic. Dr. Furman is the author of a book The Environmental Dimension (Boğaziçi University Press). He and his team received the BP Conservation Program Award in the Threatened Species Category for the bat research in north-western Turkey and the Rufford Grant from the Whitley Awards Foundation for International Nature Conservation for the cave-dwelling bat research in Turkish Thrace.

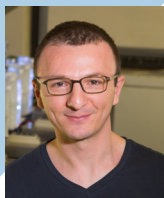
affiliated research lab Molecular ecology research laboratory in the Institute of Environmental Sciences

**BAŞAK GÜVEN**

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http://www.iesc.boun.edu.tr/IESc/Basak_Guven.html **keywords** Modelling, Catchments, Freshwaters, Contaminant Transport**education** BS, Istanbul Technical University
PhD, University of Reading, 2006**shortbio**

Dr. Basak Guven obtained her BSc degree from Istanbul Technical University, Environmental Engineering department and PhD from the University of Reading, Department of Geography, in United Kingdom, in 2006. Dr. Guven is currently working as an Assist. Prof. in Bogazici University Environmental Sciences Institute. She has a PhD in 'Modelling the movement and growth of cyanobacteria (blue-green algae) in river systems'. Prior to joining Bogazici University Dr. Guven worked as a lecturer at the University of Reading and was responsible for the hydrology module. Her research interests have focused on dynamic and process-based modelling of river systems and catchments, simulation of pollutant transport and storage in river systems and the interactions between hydrology, water quality and transport processes. Her expertise also includes building and developing hydrodynamic water quality models for rivers. Dr. Guven has been teaching graduate level courses including Surface Water Quality Modelling, Water Quality Management, Research Methodologies in Fluvial Systems Modelling, Hydrological Processes, and Hydropolitics. Dr. Guven has supervised four MSc Thesis, which were completed. She has various publications in peer reviewed journals as well as presentations in international conferences and meetings.



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keywords

Biodiesel, Biohydrogen, Microalgae, Systems Biology, Next Generation Sequencing, Transcriptomics, Cyanobacteria, Salmonella, Environmental Microbiology and Biotechnology, Food: Water: Energy Nexus

education

BS, Middle East Technical University, 2003
MSc, Villanova University, 2005
PhD, University of California-Riverside, 2010

shortbio

Berat's research group focuses on Food:Energy:Water nexus. Current projects include systems level investigation of algae for nutritional supplements, biofuels, value-added chemicals, and wastewater treatment applications. He also runs a program on the fate and transport of important pathogens in aquatic environments. Berat completed his postdoc at Yale in Jordan Peccia's group working on enhanced production of biodiesel from microalgae. He received his Ph.D. from the Chemical and Environmental Engineering Department of University of California, Riverside where he was advised by Sharon L. Walker. His M.Sc. is from the Civil and Environmental Engineering Department of Villanova University, PA. His research advised by Metin M. Duran was on microbial source tracking by fatty acid methyl ester (FAME) profiling of indicator organisms. This work was acknowledged by the Montgomery-Watson-Harza Consulting Engineers/AEESP Best Master's Thesis in Environmental Engineering Award in 2006. Berat holds a B.Sc. in Biology from the Middle East Technical University, Ankara, Turkey. More information on his group and research activities can be found at: <http://web0.boun.edu.tr/berat.haznedaroglu/>

affiliated research center

Bogazici University Center for Life Sciences and Technologies

affiliated research lab

Istanbul Microalgae Biotechnologies Research and Development Unit (IMBIYOTAB)

**BAHAR İNCE**

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<https://iesc.boun.edu.tr/tr/content/bahar-ince> **keywords**

Microbial Ecology and Environmental Biotechnology. Bioenergy Systems and Waste to Energy. Microbial Products in Bioreactors. Specific Microbial Compositions for Degradation of Lignocellulosic Organic Compounds

education

BS, METU, 1988
MSc, University of Newcastle upon Tyne UK, 1990
PhD, University of Newcastle upon Tyne UK, 1994

shortbio

Prof Ince is currently working as a Professor in IES, Bogaziçi University. She is currently the chair of the Bogaziçi University Microbiological Ecology Group (MEG). Prof.Ince has managed and supervised over 150 scientific research and applied projects in following fields; 1. Environment, Bio-energy Technologies and Biotechnology, 2. Identification of Microorganisms and Pathogenic Organisms in Wastewater, Wastewater, Soil and Mud and Food Products by Morphological, Physiological and Molecular Methods and Development of Rapid Detection Kits, 3. Specific Microbial Compositions for Enhancing Hydrolysis and Biomethane Production. Prof.Ince has published over 200 publications including papers and technical reports and has been cited over 1,500. She is currently involved in 2 TUBITAK projects as executive manager, and completed and involved in many other TUBITAK projects and international projects. In the past 10 years, 17 national and 8 international molecular applied trainings/workshops, scientific and technical meetings have been organized for the applications of environmental, energy and molecular techniques in the field of biotechnology. Over 1100 researchers and engineers from 22 different universities, 15 different countries and private sectors joined these activities. Prof.Ince founded ENGY Environment and Energy Technologies Biotechnology R&D company in 2011 at Boğaziçi University BUN Technopark. . Currently, 1 patent has been granted and international patent applications have been made for 10 inventions that have been completed and passed pre-evaluation stages.

affiliated research center

Institute of Environmental Sciences, Bogaziçi University

affiliated research lab

Biomass and Microbial Ecology Laboratory



NİLSUN H. İNCE

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🌐 Bogazici University, Institute of Environmental Sciences

keywords

Sonochemistry, advanced oxidation, water treatment, emerging contaminants, toxicity, catalysis, nanoparticles

education

BS, Bogazici University, 1976
MSc, Bogazici University, 1979
PhD, Bogazici University, 1987

shortbio

Nilsun H. Ince is a professor of Environmental Chemistry and Technology at Boğaziçi University, Institute of Environmental Sciences. Her research focuses on physical/chemical processes, advanced oxidation technologies, catalysis and sonochemistry, with applications to water decontamination from recalcitrant chemicals such as textile dyestuff, endocrine disrupting compounds, pharmaceuticals, phenols and personal care products. More recently, she has focused on the synthesis of metallic nanoparticles and metal-coated nanocomposites for use as catalysts in physical-chemical reaction systems. Over years, she has also acquired deep experience in teaching a variety of graduate courses, as well as conducting M.Sc. and Ph.D. research projects related to environmental sciences and technology for water treatment. She has been a member of the executive board of the Institute of Environmental Sciences for many years, worked as "student advisor" for more than ten years and is currently the Head of the Environmental Technology Division of the Institute of Environmental Sciences. She has organized two international conferences, edited two books of proceedings and has been a member of the Scientific Advisory Committee of numerous meetings. She has worked in the editorial board of two international journals, and is currently the managing guest editor of Ultrasonics Sonochemistry. She is also the elected member of the Executive Board of European Society of Sonochemistry. Dr. Ince has published over 50 research articles, numerous research reports and abstracts related to her research field. She has edited two conference proceedings and published a chapter on "Single and hybrid applications of ultrasound for decolorization and degradation of textile dye residuals in water" in Green Chemistry for Dyes Removal from Waste Water: Research Trends and Applications Sanjay K. Sharma (Editor), Springer (2015).

affiliated research center

European Society of Sonochemistry American Chemical Society



TURGUT TÜZÜN ONAY

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**keywords**

Waste Management, Landfill, Bioreactors, Hazardous Waste, Environmental Impact Assessment, Waste to Energy, Biomass, Biogas, Renewable Energy Sources

education

BS, Istanbul Technical University (ITU), 1986
MSc, Istanbul Technical University (ITU), 1989
PhD, University of Pittsburgh, USA, 1995

shortbio

Turgut T. ONAY is graduated from Istanbul Technical University Department of Environmental Engineering in 1986. He gained his Master degree at the same university in 1989. He worked as a researcher with the Environmental Research Group at Marmara Research Institute of TUBITAK between 1986–1990. He got his Ph.D. at the Civil and Environmental Engineering Department, University of Pittsburgh, USA in 1995. He worked as post-doctoral research fellow at the Hazardous Waste Control Center of University of Pittsburgh until the end of 1996. He returned to Turkey in May of 1997 and started his academic career at the Institute of Environmental Sciences, Bogazici University. He is currently working as a professor of environmental engineering at the Institute of Environmental Sciences. His expertise covers solid and hazardous waste management, landfill engineering and waste to energy systems. He has more than 25 technical publications within the SCI journals and more than 50 national and international conference proceedings.



MELEK SAÇAN (TÜRKER)

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keywords

Quantitative structure-toxicity relationships, Aquatic toxicity, algae, bacterial cellulose, pollution monitoring, bioaccumulation, environmental chemistry, Algae, Effluent treatment with algae, Mixture toxicity, QSAR

education

BS, Bogazici University, 1985
MSc, Bogazici University, 1987
PhD, Bogazici University, 1990

shortbio

Melek Türker Saçan is a Prof. at the Institute of Environmental Sciences of Bogazici University since 2006. Formerly, she was an Assoc. Prof. at Istanbul University. She has been the Executive Council member for the Institute of Environmental Sciences (2002-2005; 2006-2009) and the Head of Environmental Science Division (2014-2015). She is the developer of a novel chemical descriptor (Characteristic Root Index) used in QSAR studies. She has published more than 40 research articles in peer-reviewed international journals and presented more than 80 presentations in international and national conferences. She is the founder of the ecotoxicology and chemometrics laboratory at the Institute of Environmental Sciences. She carries out integrated research where in vivo and in silico studies converge. She has an extensive knowledge on aquatic toxicity of contaminants. Her research focuses on the determination of algal toxicities of organic/inorganic chemicals, treated and untreated effluents and chemical mixtures using both freshwater and marine algae (*Chlorella vulgaris*, *Dunaliella tertiolecta*, respectively) and the generation of validated QSTR models to predict the toxicity of untested chemicals. She has also studies on the monitoring of pollution level in a local lake using water, sediment and fish samples. Her other research interests are; the bioaccumulation of metals in alga and determination of ultrastructural changes in algae exposed to single and binary metals, bacterial cellulose production from alga, QSAR study on the antioxidant activity, and renewable fuels from pyrolysis of algae. She has completed 14 projects as a project leader; two of which were international cooperation projects with Slovenian researchers supported by TUBITAK- ARRS. Furthermore, she has participated in 7 scientific projects financed by Turkish institutions. She has engaged in many postgraduate supervision and co-supervision, two of which are international students.

affiliated research center

Institute of Environmental Sciences

affiliated research lab

Ecotoxicology and Chemometrics Lab



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keywords

Complex Dynamic Systems, Modeling and Simulation Gaming, Resource and Energy Policy, Socio-Ecological Sustainability

education

BS, Bogazici University Industrial Engineering, 1990
MS, Bogazici University Environmental Science and Technology, 1993
PhD, Bogazici University Environmental Science and Technology, 1999

shortbio

Ali K. Saysel is a professor in the Institute of Environmental Sciences, Bogazici University, Istanbul. Before joining Bogazici, he was a faculty with the System Dynamics group of the Geography Department, University of Bergen, Norway. His research is on various aspects of socio-ecological sustainability. He worked on large scale irrigation schemes, agro-production systems, common pool resource dilemmas, public perceptions of anthropogenic climate change, watershed management, and carbon mitigation in electric power industry. Dr. Saysel uses systems modeling, dynamic simulation, gaming and laboratory experiments to investigate the root causes of chronic socio-ecological problems. These systems methodologies help diagnosis of learning difficulties, improve learning and offer guidelines for strategic management of persistent sustainability problems. Dr. Saysel is a member of the international System Dynamics Society and the International Society for Ecological Economics. His research has been published in diverse, peer reviewed scholarly journals. He has experience in collaboration in national and EU funded projects. He actively follows the pressing environmental agenda, write columns and offers seminars.

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keywords

Environmental Biotechnology, Microbiology, Molecular Biology, Biotransformation of chemicals, Energy and chemicals from organic wastes, Antibiotic resistance, Water quality monitoring, Emerging contaminants, Toxicity, Trace analysis of micropollutants

education

BS, Middle East Technical University, 2001
MS, Middle East Technical University, 2003
PhD, Georgia Institute of Technology, 2009

shortbio

Ulas Tezel obtained his B.S. and M.S. degrees in Environmental Engineering from the Middle East Technical University Ankara, Turkey in 2001 and 2003, respectively, and his Ph.D. degree in Environmental Engineering from Georgia Institute of Technology in 2009. He continued his research activities for 1.5 more years at GaTech as postdoctoral research fellow. He joined the faculty of Bogazici University in 2012 His research interests include anaerobic biotreatment of domestic and industrial wastes, fate, toxicity and biotransformation of organic pollutants, advanced analytical and instrumental analysis of organic compounds, and microbial ecology and systems microbiology. His research on biotransformation of quaternary ammonium compounds, nitrosamines and naphthenic acids in biological systems are important contribution to the field.



CEYDA SENEM UYGUNER DEMİREL

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🌐 http://www.esc.boun.edu.tr/IESc/Ceyda_S._Uyguner_Demirel.html

keywords	Natural organic matter removal and characterization, photocatalytic oxidation, advanced oxidation processes
education	BS, Chemistry Department, Bogazici University, 1997 MSc, Institute of Environmental Sciences, Bogaziçi University, 1999 PhD, Institute of Environmental Sciences, Bogaziçi University, 2005
shortbio	Dr. Ceyda S. Uyguner-Demirel is an instructor in Bogazici University at the Institute of Environmental Sciences. She received her Ph.D. degree in Environmental Sciences from the Institute of Environmental Sciences in Bogazici University in 2005. Her research interests include water treatment by advanced oxidation processes, spectroscopic characterization and photocatalytic removal of natural organic matter, mainly humic substances. She participated in more than 20 international meetings with oral and poster presentations. She has five book chapters and 30 articles published in international peer-reviewed journals.



ORHAN YENİGÜN

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🌐 <https://iesc.boun.edu.tr/content/orhan-yenigun>

keywords	Waste and Wastewater Treatment, Renewable energies, Urban Water Management, Urban Air Pollution and Air Pollution Modelling
education	BS, Middle East Technical University, 1978 MSc, Swansea University, 1980 PhD, Swansea University, 1984
shortbio	Orhan Yenigün was born in Istanbul in 1954. A graduate of Robert College in 1972, he received B.S. in Chemical Engineering from Middle East Technical University in Ankara; M.S. and Ph.D. in Chemical Engineering from Swansea University in the U.K. He started working in Bogazici University, Institute of Environmental Sciences in 1984 as an assistant professor, where he became a full professor in 1995. In 1999, he was appointed as the Director of the Institute of Environmental Sciences, a position which he continues to hold. He has supervised 15 PhD dissertations and 57 MS theses to completion. He has published two books, 58 research articles in journals covered by Science Citation Index and 158 conference papers. He is a board member and national representative of the International Water Association (IWA); an executive Board member of the Turkish National Committee for Water Pollution Control and an elected member of the Science Academy of Turkey.
affiliated research center	Center for Disaster Management
affiliated research lab	Industrial Waste Treatment Laboratory, Anaerobic Digestion Processes Laboratory

Kandilli Observatory And Earthquake Research Institute

Kandilli Observatory and Earthquake Research Institute (KOERI), established in 1868 as the Imperial Observatory, has a long tradition of earth observation and science. After annexed to Boğaziçi University and given an institutional academic status in 1982, KOERI extended its activities into various observational fields with the main emphasis oriented towards research of earthquakes, crustal deformation, tectonics and earth structure supported by relevant educational and observational service activities. KOERI today has evolved into a unique multidisciplinary earthquake research organisation providing graduate education in three departments namely Earthquake Engineering, Geodesy, and Geophysics Departments; encompassing earthquake observation, research, education and application services within a single, integrated body. In addition, the Institute also hosts Astronomy, Meteorology and Magnetism observatories equipped with state of art technology. KOERI's Regional Earthquake and Tsunami Monitoring Center (RETMC) is the oldest national seismological network operator in Turkey which monitors the seismicity in and around Turkey in real-time with approximately 500 different sensors such as seismometers, accelerometers, GPS and OBS. RETMC is also the designated 24/7 operational National Tsunami Warning Centre - accredited Tsunami Service Provider of UNESCO/Intergovernmental Oceanographic Commission/Intergovernmental Coordination Group for the Tsunami Early Warning and Mitigation System in the North-eastern Atlantic, the Mediterranean and connected seas (UNESCO/IOC/ICG/NEAMTWS), providing tsunami warning in Eastern Mediterranean, Aegean and Black Seas. Belbaşı Nuclear Tests Monitoring Center of KOERI is the national executive authority on technical matters with respect to the Comprehensive Nuclear Test Ban Treaty (CTBT). KOERI's İznik Earthquake Hazard Mitigation Center is pursuing regional earth observations and research activities. Last but not least, Disaster Preparedness Laboratory conducts targeted educational programs on earthquake and tsunami awareness and preparedness.

The Kandilli Observatory and Earthquake Research Institute offers graduate work leading to the degrees of Master of Science and Doctor of Philosophy in:

- Earthquake Engineering
- Geodesy
- Geophysics

In addition, a multi-disciplinary Graduate Program for M.S. in Earthquake Risk Reduction is offered by Kandilli Observatory and Earthquake Research Institute.

1. Earthquake Engineering

The Department of Earthquake Engineering started its activities in 1989 as a graduate department under Kandilli Observatory and Earthquake Research Institute of Boğaziçi University. It is the first academic unit in Turkey providing graduate level training leading to M.Sc. and Ph.D. degrees in Earthquake Engineering. The overall mandate of the department is to conduct training, research and implementation, through which we aim to contribute to the mitigation of social, physical and economic losses by assisting earthquake resistant structures, systems, cities and environment to develop; and to support national earthquake risk mitigation and management policies and practices in light of scientific and technological advances.

Earthquake Engineering can be viewed as a multi-phased process that ranges from earthquake source studies to seismic risk mitigation procedures. Earthquake response analysis of sites, structures and systems; and assessment of strong ground motion that emanates from an earthquake constitute the two main ingredients of the discipline. The emphasis of our academic activities are placed on various complementary fields:

Earthquake hazard and risk analysis
Characteristics of strong earthquake ground motion
Site and soil response analysis
Development of urban earthquake damage scenarios
Earthquake response of buildings, historical monuments, industrial facilities, bridges and dams
Soil-structure interaction
Dynamic testing of small-scale models and prototype structures
Retrofitting and post earthquake strengthening of structures
Earthquake insurance applications
Health Monitoring of Structures and Systems
Development of earthquake resistant design codes.

The Department of Earthquake Engineering played a leading role in Turkey for the advancement of earthquake risk mitigation by taking part in various national committees and nationally funded projects. We have been involved in numerous international research and application projects. The faculty enjoys close ties with international organisations, universities, research centers and government establishments throughout the world.



SİNAN AKKAR

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keywords

Ground motion prediction equations, probabilistic seismic hazard assessment, ground-motion data processing, probabilistic structural damage assessment

education

BSc, Middle East Technical University, 1987-1992
MSc, Middle East Technical University, 1992-1995
BSc, Middle East Technical University, 1997-2001
Post-doc, Stanford University, 2001-2002

shortbio

Sinan Akkar is a faculty member at the Earthquake Engineering Department of Kandilli Observatory and Earthquake Research Institute. He is a former faculty member of the Civil Engineering Department at the Middle East Technical University. Sinan Akkar has been involved as a researcher or work package coordinator in the EU-FP7 and Horizon 2020 projects: SHARE (2009-2012), NERA (2010-2014), STREST (2014-2016) and SERA (2017-2020). He has also acted as the principal investigator in the Turkish National Strong-Motion Project (2005-2009) and Revision of National Seismic Hazard Maps Project (2013-2015). Probabilistic ground-motion characterization, nonlinear building response against strong-ground motion are Professor Akkar's main research topics of interest. He has published 50 papers in the peer-reviewed journals with more than 1200 citations. Sinan Akkar's h-index is 21 as of 2017.

affiliated research center

Turkey Earthquake Foundation (member of Executive Committee), Turkey Earthquake Engineering Association (member)

ESER ÇAKTI

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keywords

3-D strong ground motion simulation and modeling, Earthquake protection of cultural heritage, Earthquake risk and loss estimation, Earthquake risk assessment for industrial facilities and lifelines, Earthquake insurance applications

education

BSc, Boğaziçi University, 1989
MSc, Boğaziçi University, 1992
PhD, Boğaziçi University, 1998

shortbio

Eser Çaktı works as a Professor at the Department of Earthquake Engineering of Bogazici University's Kandilli Observatory and Earthquake Research Institute. Dr. Cakti has published over 150 research articles, reports, papers, book chapters and reports on topics such as earthquake hazard, earthquake risk and loss, ground motion simulation, industrial risk and historical structures. Dr. Cakti has been involved in several projects as team leader or researcher (LessLOSS, NERIES, SAFER, TRANSFER, NERA, EPOS-IP). She served as the Director of Center for Disaster Management at Boğaziçi University in the past and is currently on the executive board of Kandilli Observatory and Earthquake Research Institute.



UFUK HANCILAR

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keywords

Earthquake and tsunami risk and loss modeling; Analytical and empirical /fragility/vulnerability assessment; Nonlinear dynamic modeling and analysis of structures; Earthquake resistant design and seismic performance evaluation

education

BS, Civil Engineering, Istanbul University, 1998
MSc, Earthquake Engineering, Bogazici University, 2002
PhD, Earthquake Engineering, Bogazici University, 2010

shortbio

Ufuk Hancilar is an Associate Professor in Earthquake Engineering Department since 2015. Before that, he worked as a Marie Curie fellow as well as a part-time lecturer in the same department (2013-2015). He has also been serving as a founding partner of REC Inc. at Bogazici University Technopark since 2010. Upon receiving his PhD degree, Dr Hancilar was awarded a post-doctoral research grant by the European Commission and worked for three years at the European Laboratory for Structural Assessment (ELSA) of the Joint Research Center (JRC) in Italy (2010-2013). During his doctoral studies, he spent time at Columbia University in New York (2005) and the University of California at Berkeley (2007). He worked as a structural engineer in the industry (2003-2005). Dr Hancilar has been involved as a researcher/project coordinator in several national and international projects including consultancy for countrywide urban transformation campaign for the Ministry of Environment and Urbanisation, Republic of Turkey; Earthquake Loss Assessment for Istanbul (2009 and 2019); Istanbul Seismic Risk Mitigation and Emergency Preparedness (ISMEP) Project funded by the World Bank; Istanbul Community Impact Project funded by the USAID-OFDA and Lutheran World Relief; EU H2020, FP7 and FP6 projects namely RISE, SERA, ARISTOTLE, SYNER-G, SERIES, INSPIRE, NERIES, SAFER, TRANSFER and LESSLOSS; EU Marie Curie Actions- Seismically Safe Tall Buildings in Europe; Reducing and managing the risk of tsunamis for the Intergovernmental Oceanographic Commission (IOC) of UNESCO; Coalition for Global School Safety and Disaster Prevention Education for the Inter-Agency Network for Education in Emergencies (INEE) and the Global Facility for Disaster Reduction and Recovery (GFDRR) at the World Bank.

affiliated research lab

Istanbul Earthquake Rapid Response and Early Warning Laboratory <https://eqe.boun.edu.tr/en/istanbul-earthquake-rapid-response-and-early-warning-laboratory>

**ALİ PINAR**

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keywords	Seismology, earthquake sources, seismotectonics, geodynamic, earthquake early warning, real-time seismology
education	BS, Istanbul University, 1984 MSc, Istanbul University, 1986 PhD, Bogazici University, 1995
shortbio	Ali Pinar is a Professor at Department of Earthquake Engineering in Kandilli Observatory and Earthquake Research Institute (KOERI), Boğaziçi University. He is the Director of the National Seismic Network operated by KOERI. His expertise in seismology are real-time seismology, earthquake early warning systems, rapid detection of earthquakes. Main research fields include; near-field and far-field seismic imaging of rupture characteristics of small and large earthquakes, seismotectonics, geodynamics, seismicity, regional stress field and seismic hazard.
affiliated research center	Kandilli Observatory and Earthquake Research Institute
affiliated research lab	Regional Tsunami-Earthquake Monitoring Center

**ERDAL ŞAFAK**✉ erdal.safak@boun.edu.tr🌐 <http://fatin.koeri.boun.edu.tr/depremmuh/default.htm>**keywords**

Wind and earthquake engineering, seismic hazard and risk assessment, structural health monitoring, system identification, wave propagation, random vibrations and stochastic processes, active and passive structural control, non-destructive field testing of structures

education

BS, İTÜ, 1973
MS, İTÜ, 1975
PhD, University of Illinois at Champaign-Urbana, 1980

shortbio

He has been the Head of the Earthquake Engineering Department of Kandilli Observatory and Earthquake Research Institute of Bogazici University in Istanbul, Turkey since 2008. From 1984 to 2006, he was a Researcher and Section Head for 22 years at the U.S. Geological Survey's Earthquake Research Group in the United States, and held part-time Professorship positions at Stanford University in California, Colorado School of Mines in Colorado, and the George Washington University in Washington DC. He received his BS and MS degrees in 1973 and 1975 from Istanbul Technical University, and the Ph.D. degree in 1980 from the University of Illinois at Urbana-Champaign in the US. He has 40+ refereed journal papers and 100+ conference papers on subjects related to earthquake and wind induced response of structures, including seismic hazard and risk analysis, ground motion modeling, site amplification, structural instrumentation, data analysis, and system identification.

**KARIN ŞEŞETYAN**✉ karin@boun.edu.tr🌐 http://www.koeri.boun.edu.tr/Bolumumuz/KarIn%20Sesetyan_1_80.depmuh**keywords**

Probabilistic seismic hazard assessment, 3D simulation of earthquake ground motion, earthquake damage and risk modelling, historical seismicity

education

BS, Bogazici University, 1994
MSc, Bogazici University, 1997
PhD, Bogazici University and Ecole Normale Supérieure, 2007

shortbio

Karin Şeşetyan is a full time faculty member at Boğaziçi University, Department of Earthquake Engineering. Her main research interests are seismic hazard assessment, 3D simulation of earthquake ground motion, earthquake damage and risk modelling and historical seismicity. She has been involved in several national and international projects on seismic hazard and risk assessment, including EU projects, such as Update of Seismic Hazard Maps for Turkey (as WP leader), EMM (Earthquake Model of Middle East) Project (as manager), NERIES, SAFER, SHARE, NERA (researcher) and MARSITE (as task leader).

affiliated research center

Kandilli Observatory and Earthquake Research Institute



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keywords Strong Ground Motion, Earthquake Source Process, Seismic Hazard Analysis, Site Effect analysis

education BS, Yıldız Technical University, 1994
MSc, Bogazici University, 1999
PhD, Kyoto University, 2004

shortbio Gülüm Tanırcan is the Associate Professor of Earthquake Engineering Division of Bogazici University. She has been teaching/supervising graduate level lectures/theses since 2004. In the past she worked as a visiting scientist at ETH- Switzerland, ICTP- Italy and DPRI- Japan. In 2014, she received her Associate Professorship degree from Higher Education Council of Turkey on Earthquake Engineering. Her research mainly focuses on strong ground motion, seismic hazards assessment, simulation of design basis ground motion, kinematic and dynamic earthquake source process as well as estimation of site effects for use in ground motion modelling. As a specialist on earthquake engineering she has participated several research projects on urban hazard and risk assessments including IDNDR, RADIUS, GSHAP, NATO Sfp, SATREPS-MarDIM, EU-Marsite, EU-STORM and EU-SERA Projects. She served as a vice-director of the Kandilli Observatory and Earthquake Research Institute (KOERI) for a year. She was the coordinator of Disaster Preparedness Education Unit of KOERI between 2009-2018. She is also a member of several commissions of the University.

affiliated research center Kandilli Observatory and Earthquake Research Institute

EREN UÇKAN

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keywords Earthquake Engineering, Seismic Base Isolation, Risk Mitigation, Gas Pipelines, Critical Infrastructures, Industrial Elements

education BS, Middle East Technical University (METU), 1984
MSc, Middle East Technical University (METU), 1987
Bogazici University Kandilli Observatory (KOERI), 1993

shortbio Eren Uçkan is working as a full time Associate Professor at BU Kandilli Observatory Earthquake Research Institute. He is working in the field of Earthquake (Structural and Lifeline) Engineering, in particular in the seismic design and protection of industrial structures, tanks, buried pipes by using seismic control by base isolation. Dr. Uçkan has published over 100 research papers, reports and articles on topics such as structural and nonstructural tests, dynamic measurements on structures, earthquake damages on lifelines, tanks, buildings, bridges as well as the protection measures from earthquakes such as seismic base isolation. He is currently giving the course "Seismic safety of industrial structures" at KOERI.

2. Geodesy

The science of geodesy deals with the fundamental variables of the nature of our planet ranging from its rotation to the surface shape, its orientation in space in surface movements, and the nature of the gravitational distribution with the high space technology available nowadays. Geodesy department aims to make the science of geodesy applied at the universal level in our country and to be a leader in the national scale and to be effective in the global sense as well.

In this frame, our department intends to create a high quality interdisciplinary research and education environment for addressing the fundamental problems in earth sciences and to train highly qualified scientists in this direction.

In this context, our research objectives are;

- Real-time monitoring of horizontal continental movements with a permanent GPS network established around the active faults in the Marmara Region, which has the highest population density in our country.
- By integrating all the GPS data in our country in a uniform format, to determine the velocity of the movement of continental immediate vicinity of active faults in Turkey.
- To determine the vertical velocities of continental movements by InSAR.
- To identify the locking quantity on active faults via modelling continental modelling.
- Modelling displacements, earthquake mechanisms and earthquake magnitudes occurring on the fault surface of major earthquakes via GPS and InSAR.
- To increase the temporal and spatial depth of geodetic findings by integrating with earthquake efficiency and structural features of faults.
- To determine the seismic potential of active faults in Turkey.
- To investigate range of geohazards including landslides, earthquakes and earthquake-induced deformation by using geodetic methods (GIS, GPS, Remote Sensing).
- To realize earthquake damage analysis with remote sensing technique.
- To publish articles in a journal, at least one SCI index from each thesis or research project.

Geodesy Department carries out studies in order to understand and evaluate the earthquake processes in line with historical aim which has undertaken by Kandilli Observatory and Earthquake Research Institute.

These studies, focused on observing the pre-earthquake, earthquake and post-earthquake behavior of the earth crust, aim to determine the amount of motion from millimeters to a few meters in elastic discontinuities ranging from several meters to hundreds of kilometers on the surface and deep.

Today's modern approaches make it possible to perform these observations with a temporal resolution from seconds to years and spatial resolution from millimeter to decimeter according to the observation method.

Our department has started to include all these modern approaches in the field of education and research. Besides, our department intends to cover this broad range of observations with a holistic research approach while preserving current analytical skills and intellectual depth.



Geodesy

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keywords	Fault zone characterization, earthquake source processes, earthquake forecasting, reservoir characterization
education	BSc, Marmara University, 2001 MSc, Bogazici University, 2006 Dr.rer.nat., Universität Potsdam, 2010
shortbio	Dr. Fatih Bulut is an earth scientist with over 15 years of research experience in the fields of earthquake source and fault zone characterization. His primary research focus is to characterize frictional processes within the Earth's crust in order to provide insights into earthquake forecasting problem. In particular, he combines seismic and geodetic data to investigate crustal deformation and earthquake generation processes on a scale ranging from few meters to hundreds of kilometers.
affiliated research center	Bogazici University, Kandilli Observatory and Earthquake Research Institute, Geodesy Department

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keywords	Geodesy, GPS, GNSS, GIS, Surveying, Earthquakes, Active Tectonics, Seismotectonics, Crustal Deformation, Strain, InSAR
education	BS, Istanbul Technical University, 1999 MSc, Istanbul Technical University, 2002 PhD, Istanbul Technical University, 2008
shortbio	Asli DOGRU received her B.S. degree (1999), and M.Sc. (2002) in Geodesy and Photogrammetry Engineering, both from Istanbul Technical University (ITU) and Ph.D. (2008) in Geomatic Engineering from the same university. NSF funded GEON project (Cyberinfrastructure for the Geosciences) financially supported her to improve PhD thesis in 2006. She attended the Supercomputer Center at the University of California, San Diego, USA, using computational techniques to study earthquake hazard. She is currently an Associate Professor at the Geodesy Department of Kandilli Observatory and Earthquake Research Institute (KOERI), University of Bogazici, Istanbul. She has 15 years' experience in earthquake studies on the North Anatolian Fault Zone and has carried out more than 15 scientific research projects as a researcher and project manager. She has authored or co-authored over 50 scientific papers. She is a member of the Turkish Chamber of Surveying Engineers and the American Geophysical Society.
affiliated research center	Kandilli Observatory and Earthquake Research Institute



SEMIH ERGINTAV

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🌐 <http://jeodezi.boun.edu.tr/?q=en/semihergintav>

keywords

The analysing and modelling of the GPS, gravity, strain and tilt meter time series, InSAR analysis, unconventional signal processing of geodetic&geophysical time series, advanced In SAR analysis, modelling of fault dynamics based on multi-parameter and multidisciplinary data, seismotectonics of Eastern Mediterranean Region, modelling of the post seismic deformations

education

BS, İstanbul Technical University, 1984
MSc, İstanbul Technical University, 1992
PhD, İstanbul Technical University, 1996

shortbio

Semih Ergintav is a professor of Geodesy at the Geodesy Department of the Kandilli Observatory and Earthquake Research Institute, Boğaziçi University İstanbul. He has a BS in Geophysics and MSc&PhD Degree in Seismology. He had worked for the TUBITAK MRC Earth and Marine Research Institute for 29 years, from 1984 to 2013, as a Researcher and Deputy Director. During that period, he has been established many geochemical, seismic and CGPS networks to study the active tectonic zones of Turkey and worked in different large scale governmental and industrial projects (their budgets were more than 5-6M USD). He is involved in several national and international projects (e.g. FP6 project FORESIGHT, FP7 projects SCHEMA and EPOS, Horizon 202 project EPOS-IP, various NSF projects about active tectonics of Eastern Mediterranean). He is the Point of the Contact (PoC) for GSNL Marmara Region Supersite and GSNL Van event Supersite. Currently, he is co-authored over 60 papers in peer-reviewed international journals (covered by SCI) and based on Google Scholar, the total number of citations to his publications is 5078 and the current H-index is 27.



TÜLAY KAYA EKEN

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keywords

Land and Ocean Bottom Electromagnetic data analysis, Magnetotellurics, Electrical Resistivity, Geodynamics, 3D Modeling, Fault Structures, North Anatolian Fault, Tectonics, Fluids, Geothermal Areas, Volcanoes, Deformation

education

BS, İstanbul University, 2000
Msc, Boğaziçi University, 2007
PhD, Tokyo Institute of Technology, 2012

shortbio

Tülay Kaya Eken is an Assistant Professor of Geodesy Department at Boğaziçi University, Kandilli Observatory and Earthquake Research Institute. Her research mainly focuses on investigation of crustal and mantle structures, analysis and modeling of Ocean Bottom Electromagnetic and land magnetotelluric data, electrical characteristic of the North Anatolian Fault system, electrical resistivity – seismicity – deformation relationship, 2d and 3d forward and inverse modeling, joint modeling and interpretation of magnetotelluric data with other geophysical data sets.

affiliated research center

Kandilli Observatory and Earthquake Research Institute



Geodesy

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**keywords**

Geodesy, GPS, Geodynamics, Tectonics, Crustal Deformation, North and East Anatolian Fault Zones, earthquake hazards, deformation of engineering structures, Geotechnical/ Geodetic monitoring of tunnels, Geoinformation Systems/GIS Applications, Stochastic Modeling, Establishment of Geodetic Networks and project management

education

BS, Istanbul Technical University, 1988
MSc, Bogazici University, 1992
PhD, Bogazici University, 2000

shortbio

Professor Dr. Haluk Özener received a BS degree in Geodesy and Photogrammetry Engineering from Istanbul Technical University (ITU) in 1988, and MSc degree in Geodesy from Boğaziçi University in 1992. He completed his doctoral studies in Geodesy from Boğaziçi University in 2000 with a thesis entitled "Stochastic Models of Local Horizontal Networks for Geodynamic Problems". His main area of specialization is to precisely estimate crustal and surface deformation and then to elucidate responsible geodynamic events for these observed deformations through geodetic data analyses/models. Some of his field of interests include Geodesy, GPS, Geodynamics, earthquake hazards, crustal and surface deformation, Stochastic modeling and establishment of Geodetic Networks and project management. During and after his doctoral studies (in 1999 and 2003), Özener continued his research focus on these topics as a visiting researcher in Massachusetts Institute of Technology, Department of Earth, Atmospheric and Planetary Sciences and Earth Resources Laboratory. He worked as research Assistant and lecturer in Geodesy Department of Boğaziçi University from 1989 to 2002. He became Associate Prof. in 2003 and took over the chairman position in the same department between 2005-2007. Prof. Özener served as a faculty member in Geomatics Engineering Department of ITU between 2007-2009. He has been a full-time faculty member of Boğaziçi University, as Professor at the Geodesy Department since 2009 and head of the Geodesy Department since 2010. Prof. Özener currently continues to serve as the director of the Kandilli Observatory and Earthquake Research Institute (KOERI) in Boğaziçi University since he has been elected in 2015. Prof. Özener has been supervising a total of 17 ongoing or completed master and doctoral thesis project throughout of his academic career. He has published more than 40 research articles in international journals and his papers have been cited over 1880 times according to the records of Web of Science (without self-citations). Participating in more than 50 International and National academic research projects (e.g. FP7 and Horizon 2020) as a PI, consultant and researcher, Prof. Özener has scientifically contributed more than 350 scientific publications (indexed by SCI, SCI-Expanded, research reports, conference papers, etc) either as the first- or co-author. As an organizer, moderator or scientific committee member, he has participated in more than 60 International and National Scientific meetings. Prof. Özener served as the Chairman of the Tectonic and Earthquake Geodesy Commission under the International Association of Geodesy (IAG) and Chairman of the International WEGENER Working Group. He is still serving as President of the Earthquake Association, representative of the universities in Turkish National Geodesy Commission, chairman of the international relations commission of the Turkish Chamber of Survey and Cadastre Engineers. He has been a member of the Disaster and Emergency Advisory Board of ministry of interior since 2015.

affiliated research center

Kandilli Observatory and Earthquake Research Institute

affiliated research lab

Geodesy Laboratory

**ONUR YILMAZ**

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keywords

Geodesy, GNSS, GPS, Tectonics, Deformation, Fault, Earthquake, Strain, GPS Velocity, Gravity, Potential Theory

education

BS, Yildiz Technical University, 1990
MSc, Bogazici University, 1993
PhD, Bogazici University, 2000

shortbio

Onur Yilmaz is Instructor at Bogazici University. Dr. Yilmaz is a geodesy engineer whose scholarship and research focuses on the earthquake research, deformation detection, fault movements on local and regional fault lines. Dr. Yilmaz works at Kandilli Observatory and Earthquake Research Institute of Bogazici University. Dr. Yilmaz gives lectures Mathematical Methods in Geodesy and Gravity Measurements. Onur Yilmaz is Instructor at Bogazici University. Dr. Yilmaz is a geodesy engineer whose scholarship and research focuses on the earthquake research, deformation detection, fault movements on local and regional fault lines. Dr. Yilmaz works at Kandilli Observatory and Earthquake Research Institute of Bogazici University. Dr. Yilmaz gives lectures Mathematical Methods in Geodesy and Gravity Measurements.

affiliated research center

Kandilli Observatory and Earthquake Research Institute

3. Geophysics

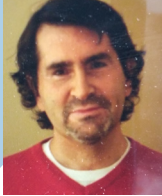
Geophysics is a discipline investigating the structure of the Earth, its temporal variations and related forces. Its area of interest covers innermost part of the Earth reaching thousands of degree Celcius of temperature and 1.500.000 atm pressure, with the irregularities of the upper crust, oceanic basins, and finally uppermost layers of the atmosphere. The aim of geophysical research is to make observations on the Earth, and determine the laws explaining the physical and chemical relations based on these observations using numerical solutions and approximations in order to be able to derive the extremely complex structure of the Earth. In this sense, Geophysics is an interdisciplinary science.

Geophysics department at Boğaziçi University, Kandilli Observatory and Earthquake Research Institute gives the highest priority to original research with the aim of promoting young researchers and scientists reflecting the mobility of the modern science and the fast progress in technology within their research, together with the essential human qualities such as environmental awareness and preservation of the nature, while identifying and providing solutions in the part of the world we are living.

The core elements of the MSc and PhD curriculum at our department provides necessary mathematics and physics background and aiming at educating young researchers in the field seismology with a wide range of topics, such as elastic wave propagation, earthquake source mechanisms, signal processing, strong ground motion and instrumentation.

Investigation of earth's crust using seismic, electrical, magnetic and electromagnetic methods, engineering seismology, geo-magnetism, paleo-magnetism and archeomagnetism applications are among the main fields of study in our department.

Identification of active faults and understanding related lithospheric forces, seismicity, seismic hazard and risk; landslide and avalanche studies; industrial raw material; mine, underground water, oil and natural gas prospection studies; soil investigations for various sizes of engineering structures; the composition of the Earth's interior and crust and their physical properties are among the department's fields of interest.



HAYRULLAH KARABULUT

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🌐 <http://www.koeri.boun.edu.tr/jeofizik/2/>

keywords

Seismology, Wave Propagation, Seismic Tomography, Seismotectonics

education

BA, Geophysics, Istanbul Technical University, 1986
MS, Geophysics, Colorado School of Mines, 1992
PhD, University of Texas at Dallas June 1996

shortbio

Hayrullah Karabulut is a professor of Geophysics at the Bogazici University. His research interests are in the Earthquake Seismology and Structure of the Earth. The major part of his current research is in the seismicity, active faults and earthquake ruptures in Turkey. At regional scales, such as the Eastern Mediterranean, he is involved in the imaging of the crust, upper mantle structure and geodynamic processes.

affiliated research center

Kandilli Observatory and Earthquake Research Institute, Department of Geophysics



ALİ ÖZGÜN KONCA

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keywords

Earthquake Seismology, Tectonics, Large Earthquakes

education

BS, Physics, Koc University, 2000
PhD, Geophysics, California Institute of Technology, 2008

shortbio

A Ozgun Konca is a geophysicist working on problems related to earthquakes, including modeling of large and small earthquakes using multiple datasets, seismic cycle and interseismic modeling. His research is primarily focused on modeling earthquakes, and understanding the short term and long term behavior of faults. Using, strong-motion, teleseismic and geodetic data, what can we tell about the slip in a single earthquake, rupture velocity, slip functions? How can we compare the long term coupling to slip in individual earthquakes.



NURCAN MERAL ÖZEL

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keywords

Earthquake source mechanism, global seismology, deep and moderate deep earthquakes in subduction zones, strong ground motion, historical earthquakes, seismic array methods of monitoring nuclear tests, tsunami hazard and early warning systems

education

BS, Istanbul University, 1984
MSc, Istanbul University, 1990
PhD, Hokkaido University, Japan, 1995

shortbio

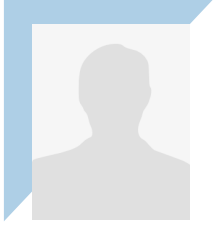
Meral Özel is a Turkish national who completed her higher education in Turkey and Japan, obtaining a PhD degree in Seismology from Hokkaido University (Japan) in 1995. She was the Vice-Director of the Bogazici University-Kandilli Observatory and Earthquake Research Institute (BU-KOERI) in Istanbul-Turkey since 2009, also responsible of all seismological operations in KOERI which hosts the 24/7 National Earthquake Monitoring Centre and Istanbul Earthquake Early Warning. She was the director of the Turkish National Data Centre (BU-KOERI/ Belbasi Nuclear Test Monitoring Center) from 2006 to 2014, and served as the Head of the Geophysics Department at BU-KOERI. She is the founding coordinator of the National Tsunami Warning Centre operational as of 2012. During her professional career which has spanned many years, Meral Özel has developed expertise in earthquake source mechanism, global seismology, deep and moderate deep earthquakes in subduction zones, strong ground motion, historical earthquakes, seismic array methods of monitoring nuclear tests, tsunami hazard and early warning systems. Meral Özel has led teams and organizations in developing, implementing and operating advanced systems for earthquake monitoring. Meral Özel has led teams and organizations in developing, implementing and operating advanced systems for earthquake monitoring. She has been the coordinator and manager of a significant number of many international projects funded by the European Union and the Government. She has supervised ten Master of Science and 8 PhD candidates with their theses and research. She has more than 60 international publications. Prof.Nurcan Meral Özel has served as the Director of the International Monitoring System (IMS) Div. at the CTBTO in Vienna since November 2014 as a Turkish Diplomat.

affiliated research center

KOERI, CTBTO

affiliated research lab

Kandilli Observatory and Earthquake Res.



BÜLENT TANK

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🌐 http://www.koeri.boun.edu.tr/jeofizik/kisiler/btank/Tank/S.B.Tank_-_English.html

keywords	Magnetotellurics, Electric resistivity, Faults and Fluids, Geothermal Systems
education	BS, Istanbul University, 1995 MSc, Boğaziçi University, 1998 PhD, Tokyo Institute of Technology, 2004
shortbio	Sabri Bülent Tank is an Associate Professor of Geophysics at Boğaziçi University, Kandilli Observatory and Earthquake Research Institute. Dr.Tank is specialized on electric and electromagnetic prospecting methods as well as potential methods such as gravity and magnetism. His studies involve applications of magnetotellurics method on active/passive faults, volcanoes and geothermal systems.
affiliated research center	Kandilli Observatory and Earthquake Research Institute
affiliated research lab	Electromagnetic Research Laboratory

The Institute for Graduate Studies in Sciences and Engineering

Providing high quality graduate education and increasing the share of graduate students in the student population are key strategic goals of Boğaziçi University. Strategies towards these goals are developed and managed by the six Graduate Institutes of the University. BU/FBE, which is the largest of the University' s Graduate Institutes in terms of number of students, is responsible for the general coordination, steering and advancement of existing PhD and/or Masters level graduate programs in 15 science and engineering areas and 4 engineering sub- areas. BU/ FBE is also responsible for the design and development of new graduate programs in science and engineering.

The Institute for Graduate Studies in Social Sciences

The Institute for Graduate Studies in Social Sciences (often referred to as “SBE”, the acronym of its Turkish name, Sosyal Bilimler Enstitüsü) is responsible for the general coordination, steering and advancement of Master's and Ph.D. programs run by 18 different academic departments and two interdisciplinary programs.

The mission of the Institute is to enable and promote an academic environment conducive to high-level scientific research in social sciences, humanities, economics and administrative sciences, educational sciences, and applied disciplines related to these fields, to direct and support graduate students studying in these fields in carrying out independent and original research, and to prepare graduate students for academic and professional careers in their chosen fields.

The Institute is managed and run by an Institute Director, appointed by the Rector for a term of three years after an election held by full time faculty members of the academic departments under SBE.

The primary decision-making body of the Institute is the Institute Council. Headed by the Institute Director, the Council consists of the chairs of the 18 academic departments under the umbrella of the Institute and the chair of the two interdisciplinary programs. Two Associate Directors appointed by the Institute Director are also (ex officio) members of the Institute Council. The Council convenes at least twice each semester.

The Institute Director manages the day to day operations of the Institute with the help of the Institute Executive Board. The Institute Executive Board is made up of the Institute Director, two Associate Directors appointed by the Institute Director, and three members elected by the Institute Council among six faculty members in associated departments nominated by the Institute Director. The Institute Executive Board of SBE holds a regular meeting every two weeks.

The Institute's Secretariat is currently made up of the Institute Secretary and one administrative secretary. In addition, there is a thesis editor providing help for thesis preparation including copyediting and proofreading.

1. Social Policy

Social policy, as an interdisciplinary social scientific field bringing together theory and practice, investigates root causes of poverty and inequalities, manifestations of these in the areas including but not limited to employment, labor relations, health care, education, social services, care and income and their social implications. In an increasingly unequal world, the questions of social policy have become one of the key interest areas in the studies of social sciences.

The Master of Arts in Social Policy aims at introducing the students to the study of social and economic dynamics that engenders poverty and inequalities and the content and impact of social policies introduced to tackle these problems in a historically grounded and comparative perspective.

The main objective of the Master of Arts in Social Policy is to introduce students to the theories, empirical research and policy experiences in the area of social policy that lies at the intersection of different disciplines including economics, sociology, politics, psychology, anthropology, history, philosophy and law.



VOLKAN YILMAZ

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🌐 <https://socpol.boun.edu.tr/en/assist-prof-volkan-yilmaz-head-program>

keywords

Social policy, welfare politics, comparative health systems, humanitarian studies, citizenship and human rights

education

BA, Bogazici University, 2008
MA, Bogazici University, 2010
PhD, University of Leeds, 2015

shortbio

Dr. Volkan Yilmaz is an Assistant Professor of Social Policy and the Director of Social Policy Forum Research Centre at Bogazici University, Istanbul. Yilmaz's latest book, *The Politics of Health Care Reform in Turkey*, has been published by Palgrave Macmillan in 2017. He has published widely on different aspects of social welfare, health care policies including sexual and reproductive health and mental health, socio-economic challenges young people, people with disabilities and LGBT people face, and political participation of youth and people with disabilities, in international journals. Yilmaz currently holds British Academy Newton Advanced Grant and works on a research project examining regulatory challenges in pluralistic health care systems. Yilmaz's academic interests include the politics of social policy reforms, sociology of social welfare and humanitarian action.

affiliated research center

Social Policy Forum (SPF)

4

Service Departments

Fine Arts

The Department of Fine Arts tries to serve as a locus of course work for students who want to develop their interests in the plastic arts, whether in painting, basic and creative drawing or in ceramics, or in the various aspects of theater, from dramaturgy and studies of tragedy, to dance, ballet, and music. The Department was created with the belief that a good liberal arts education should provide the students with an opportunity to develop their intellectual capacities by pursuing interests of aesthetic quality outside of their regular academic disciplines, and to teach them skills to develop their theoretical interests in conjunction with the practice of artistic expression whether that be in the plastic arts or in drama, cinema, music or photography. The Department does not offer a degree on its own but offers regular courses in conjunction with the academic work of other departments.

The Department of Fine Arts offers two types of courses. The first type of courses, which exclusively consist of studio work in which students develop their expressive skills and interests, at the introductory, intermediate, and the advanced level, offer students course credit toward their degree but with a Pass/Non-Pass grade. The second type of courses, which include a substantial amount of theoretical work as well as practice either in studio, or in situ when it concerns art and architecture of historical content in the region, offer full course credit and a letter grade. The department anticipates to develop further strengths in drama and other performing arts, and in the visual arts inclusive of photography and film.



FETHİYE ERBAY

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<http://www.unimuzed> 🌐



keywords Museum studies, cultural heritage, museum management

education BA, Marmara University, 1984
MA, İstanbul University, 1987
PhD, İstanbul University, 1982
PhD, Marmara University, 1996

shortbio Erbay received her Associate Professorship at Boğaziçi University (2002) and art history Professor in 2009 and Management Prof 2011. She has published numerous articles in national and international journals She has published many books including Prof. Dr. Erbay Painting, Applied Arts, and Art & Architecture of Historical Capitals in the Department of Fine Arts at Boğaziçi University, and Museum Studies at İstanbul University. Erbay has also been working as an advisor for establishment and planning of museums since 1994. She has been the Director of Museum Management Department. Head of International University Museums Association Platform UNIMUZED. Prof. Dr. Erbay received many awards including a distinguished contribution award for art and culture from Hamburg Turkischer Frauen Kultur Verein (1990), BU awards (1990), Award for Institutionalization of Turkish Museum (2017), Museum 2018 Award (2018)

affiliated research center Fine Arts Department

MUTLU ERBAY

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keywords Art Museum, Museums and Art Galleries, Art Policy, Painting Techniques, Fine Arts, Etic Principles

education BA, Marmara University, 1989
MA, Boğaziçi University, 1992
PhD, Marmara University, 1995
PhD, İstanbul Technical University, 1997

shortbio Between the years of 2000-2002 she gave the courses of Art and Art Policy, Art Marketing in Yeditepe Univ. She gives the courses of Painting, Applied Arts, Art and Architecture of History Capital and Art and Architecture of Ottoman in BÜ. She gives the courses of Museum Management, Presentation and exhibition Techniques in Museums and Management of Cultural Heritage Areas in İstanbul University. she received the title of Associate Professorship in 1999. Her books Profess in the education of Plastic Arts 1999, The Reflection of the Republican Era Artistic Changes to the Publication 2004, Art Policy of Atatürk 2006, Her book, Disciplines in the Arts of Painting 2007 was published by Alternativ Publication .She has been given the reward of the contribution to the international culture and art by Turkischer Frauen Culture Verein 2000, Museum Award from, George Papazov Painting and Sculpture Museum, Yambol Kiril Kristev Art Gallery 2018.

affiliated research center Head of Fine Arts Department

5

Research Centers



1. Applied Tourism and Research Center:

B.U. Applied Tourism and Research Center (ATARC) was founded in 1994 as a center directly under the University's Rectorate. The objectives of the ATARC center are:

- o To carry out research
- o To provide educational programmes to the tourism sector
- o To organize conferences and meetings on hospitality and tourism topics
- o To provide consultancy services to the sector

ATARC is one of the education centers of the World Tourism Organization (UNWTO). Under this structure, the center, in cooperation with the UNWTO, organizes international meetings, carries out consultancy and provides national and international education programmes.

For more information: <https://tuygar.boun.edu.tr/en/applied-tourism-administration-and-research-center>

2. Archaeometry Research Center :

Archaeometry is the interdisciplinary study of human cultural history involving physical, chemical, biological, natural, geophysical, mathematical, and anthropological sciences. It includes dating for absolute chronologies, material analysis, ecological interactions, geophysical surveys, subsistence economies and conservation. The Archaeometry Research Center (ARC) aims to facilitate and organize basic and applied scientific research projects and educational programs for our students as well as general cultural activities for the public in general through publications, seminars, exhibits and related activities. ARC cooperates with all related educational institutions and museums to emphasize the importance of our cultural heritage assist them in our laboratory archaeometric techniques involving material analysis, conservation, geophysical surveys and training personnel.

For more information: <https://arastirma.boun.edu.tr/tr/arkeometri-uygulama-ve-arastirma-merkezi-1991>



3. Asian Studies Research Center :

The Asian Studies Center at Boğaziçi University in Istanbul was inaugurated in 2009 and it is currently the only research institution of its kind at any Turkish university. The center's main purpose is to contribute to the development of Asian studies in Turkey and to expand research and academic exchange relations between Turkey and the Asian countries. Moreover, the center is supporting the Chinese, Japanese and Korean language training programs currently offered by the Department of History of Bogazici University, exploring prospects for providing programs in other Asian languages as well and devising projects for improving the communication and mutual understanding between the Turkish people and the peoples of Asian countries. The center is also organizing and coordinating the M.A. in Asian Studies program offered by the Institute of Social Sciences at Bogazici University.

For more information: <https://asya.boun.edu.tr/>

4. BEPAM Centre for Educational Policy Studies:

BEPAM conducts theoretical, applied and comparative research within the field of educational studies, as well as through interdisciplinary collaboration with other social sciences. Drawing on the results of this research, BEPAM proposes policies for the current educational system in Turkey and seeks to contribute to educational theory. BEPAM produces original publications on and translations of educational theories, practices and discussions. BEPAM works together with national and international institutions to organize conferences to promote new theoretical and practical frameworks in the field of educational studies.

For more information: <http://bepam.boun.edu.tr/>



5. Byzantine Studies Research Center :

Established in 2015, the Boğaziçi University Byzantine Studies Research Center is Turkey's first research institution attached to a state university that is directly devoted to Byzantine studies. Its primary mission is to contribute to the advancement of Byzantine studies by actively promoting interdisciplinary research and graduate education on different aspects of Byzantine civilization, enabling exchanges and collaboration with leading national and international institutions, and serving as a meeting point for discussion and dialogue on research conducted by Turkish and international Byzantine historians, art and architectural historians, archaeologists, literary historians and philologists. Through the organization of national and international symposia and workshops, public lectures, "tools of the trade" seminars, summer school for Byzantine Greek, and fellowship programs for MA/PhD students, post-doctoral researchers, and visiting scholars, the Boğaziçi University Byzantine Studies Research Center aims to help realize Istanbul's potential to become one of the world's leading places for Byzantine scholarship.

For more information: <http://byzantinestudies.boun.edu.tr>

6. Center of Analytics and Insights:

After the introduction of big data, the majority of economically developed countries have accelerated their R&D in business and customer analytics to maximize the overall utility both on the customer and the company side. Like its contemporaneous counterparts, Bogazici University Center for Analytics and Insights pushes the boundaries to advance innovative research methods in the field. The research center facilitates the university - industry collaboration by conducting top-notch empirical and conceptual studies. Not only the very output of the research center is an input to companies to increase the industry-wide efficiency, but also the encouragement of interdisciplinary studies in the center is key to the development of local high-added-value technologies based on innovative solutions.

For more information: <https://arastirma.boun.edu.tr/tr/analitigi-ve-musteri-icgorusu-uygulama-ve-arastirma-merkezi-2015>



7. Center for Applied Research in Finance :

Center for Applied Research in Finance/Boğazici University is established in 2014 with the collaboration of Borsa Istanbul to conduct academic research on structures and best practices about financial activities most suitable for Turkey, taking into account country specific conditions, culture and institutions of Turkey. The Center aims not only contributing to sound, effective and efficient operation of corporate management and financial markets through scientific research, data and analysis, but to contribute to financial literacy of individuals and their efficient access to financial investment and risk management tools and instruments. Regarding the conceptual and legal structure of the project that has been implemented under 'Istanbul International Financial Center Strategy and Action Plan, highly motivated academic board, research team and student associations prepared to serve for the project with conducting scientific research in the field of finance and economics.

For more information: <http://www.carf.boun.edu.tr/>

8. Center for Climate Change and Policy Studies:

Center for Climate Change and Policy Studies aims to contribute to the solutions by conducting interdisciplinary research on climate change and environmental policies and putting this research into practice. It is aimed to encourage interdisciplinary research activities and to cooperate on climate change and environmental policies with other institutions including the government. The center follows the current studies carried out all over the world on climate change and environmental politics and contributes to the literature with the studies performed in this center. Our main areas of research include preparation of high resolution climate models with an explicit aim of impact studies, and forming policy proposals for the climate change solutions.

For more information: <https://climatechange.boun.edu.tr/>



9. Center for Disaster Management :

CENDIM was established in January 2001 as an interdisciplinary research center for disaster management. The center is in strategic partnership with many national and international organizations to develop disaster, engineering and risk management plans and to facilitate information sharing with governmental, non-governmental and community based organizations. CENDIM also aims to deploy the synergy of multi-disciplinary collaboration by national and international organizations.

For more information: <http://www.cendim.boun.edu.tr/>

10. Center for Economic Design :

Center for Economic Design (CED) was established in 1994 in order to bring together various research activities in the field of economic theory that had been taking place at Boğaziçi University and in Turkey. The strategic goal of CED has been to become a leading center of excellence in economic design, which applies the accumulated traditions and wealth of knowledge in normative and positive economics and game theory in the creative tasks of designing and implementing diverse legal-economic instruments. These include constitutions and other assignment of rights, voting and other choice aggregation procedures, mechanisms for resource allocation and regulatory mechanisms, tax and incentive schemes, contract forms, markets, auctions, as well as organizational forms, such as partnerships, together with supporting membership and other property rights, and information systems. Towards this end, CED supports theoretical and applied work in the field of economic design; communicates and collaborate with local, European and other international educational and research institutions in this field to support graduate education and to carry on joint projects; encourages and facilitate the dissemination of knowledge relevant to economic design via publications in this field; and organizes and participates with its members in workshops, seminars and conferences. CED is an institutional member of the Association of Southern European Economic Theorists (ASSET).

For more information: <http://www.ced.boun.edu.tr/>



11. Center for Economic and Econometrics :

CEE was founded in 1994 to bring together applied economists, solid in modern theory and analysis, and enable them conduct policy oriented research. The research associates have hands on experience with empirical issues and large data bases, including survey data. Competences of CEE include international economics and international finance, macroeconomics (macro-econometrics, stabilization policy), banking, labor market and growth (employment, internal and international migration), trade and applied industrial organization (micro-econometrics, panel data techniques, impact of EU on Turkish economy). The Associates of CEE include staff from major universities and institutions. All research associates have hands on experience with empirical issues and large data bases, including survey data. Several research staff held senior positions in national and international organizations such as the TURKSTAT, the Treasury, the World Bank, IMF, IFC, EBRD, UNCTAD and UNIDO.

For more information: <http://www.cee.boun.edu.tr/>

12. Center for Educational Technology :

The Center for Educational Technology is a multi-purpose research, development and application center in the context of the Faculty of Education aimed at developing and administering educational material involving technology. Its fields of activity consist of developing materials involving audiovisual communication, computer software and hardware, networks and other interactive media, generating know-how, maintaining the infrastructure for preparing and administering course material involving on-site and distance education, and carrying out research and development involving present and emerging technology. The Center is also responsible for providing the university with infrastructure, advice and service on the use of-up-to date technology in instruction, organizing sites and projects where such educational activity can be carried out. Its activities further include giving support in these areas to external organizations.

For more information: <https://arastirma.boun.edu.tr/tr/egitim-teknolojisi-uygulama-ve-arastirma-merkezi-1990>



13. Center for European Studies :

Center for European Studies (CES) was established in 1991, with the objective of conducting interdisciplinary research, emphasizing the cultural dimension of Turco-European relations in a comparative framework. In 2000, the University decided to broaden the scope of the studies conducted at the Center to cover all major areas in social sciences. CES aims at providing an academic and intellectual forum on multiple aspects of the European integration process with an emphasis on the accession of Turkey and other candidates. CES promotes academic research and functions as a focal point for debate on EU-Turkey relations as a think-tank comprising academics and practitioners from the public and private sectors and the NGOs. CES enables the academics to make interdisciplinary work on European studies and also serve as a focus point for the discussions on EU-Turkey relations where the academics share their opinions with public and private sector professionals. Furthermore, CES organizes public Jean Monnet seminars and specialized workshops; as the first “Jean Monnet Center of Excellence” in Turkey.

For more information: <http://www.buces.boun.edu.tr/>

14. Center for Innovation and Competition Based Development Studies :

Our center was established in 2011 to create a common platform for interdisciplinary research on the transition to a society based on transformation, innovation and knowledge. Policy development and implementation during the transition period are also included in this platform.

Vision: To become a research center where transformation and innovation-based sustainable development studies are conducted, and to become a national and international reference in these areas.

Mission: To create a common platform for interdisciplinary research and policy studies during the transition to a knowledge-based society; to expand information and innovation-based competitiveness which is the driving force of global growth to the national base; to develop analytical and empirical projects in the fields of innovation and competition-based development.

For more information: <http://www.innovationcenter.boun.edu.tr>



15. Center for Psychological Research and Services :

BÜPAM is a psychotherapy center, affiliated with the Psychology Department of Boğaziçi University. The Center was founded to provide psychological services to those outside the University. There is a limited quota for the personnel and students of the University. In addition to direct psychological services, research and training activities in the field of psychology are also carried out.

The Missions of BÜPAM are:

- o To serve individuals who need assistance with their psychological problems,
- o To provide high-level training for post-graduate clinicians working in the field,
- o To conduct research and to provide training services for public and private sector corporations/institutions in accordance with their needs,
- o To provide opportunities for practical training and research for advanced students in the master's AT and doctoral programs in the Psychology Department.

For more information: <http://www.bupampsi.boun.edu.tr/>

16. Center for Research in Corporate Governance & Financial Regulation:

Center for Research in Corporate Governance and Financial Regulation (CCG) is an initiative of Bogazici University. The center is created to enhance the practice of corporate governance by undertaking academic research in finance, and establishing conferences and workshops where academics, business people, policy makers and regulators can meet and exchange best practice ideas. The center is led by academicians with collaboration from its Advisory Board.

For more information: <http://www.ccg.boun.edu.tr/>



17. Energy Policy Research Center:

EPAM, Energy Policy Research Center, has been established at Boğaziçi University in order to provide academic and scientific contribution to policy makers, market players and media in their understanding of energy markets as well as their decision making processes. EPAM aims to become an independent, transparent, reliable and scientific reference organization in the field of energy markets by promoting scientific research, organizing training and higher level education programs, establishing national and international collaborations and creating interdisciplinary discussion platforms. With this aim EPAM has been working since 2015 and has organized several conferences, international networking meetings and initiated higher level education programs in the field of Energy Markets and Systems in order to help improving technical and market knowledge of the professionals working in the energy industries.

For more information: <http://epam.boun.edu.tr/>

18. Entrepreneurship Center:

The Entrepreneurship Center was established in 2016 with the mission of addressing the need for greater understanding of problems facing entrepreneurs and the entrepreneurial community for continuing economic growth and impact. The center defines entrepreneurship as a mindset encouraging people to create, change, or design something by observation, inspiration, excitement, dreaming, trial and error, learning by doing, long term visioning, and mission-orientedness, thus leading to more entrepreneurial activities. The Center hosts, supports, and promotes all entrepreneurial studies and activities of local and global community of entrepreneurs, thought leaders, academicians, and students. It fosters education, research, and knowledge-sharing events that advance entrepreneurship and innovation with a cross-disciplinary approach. The center is also in partnership with the entrepreneurship ecosystem in order to provide value for students, entrepreneurs, and intrapreneurs. Through the center, students are exposed and introduced to the various forms of entrepreneurship; and founders or would-be-entrepreneurs are guided through the stages of entrepreneurship.

For more information: <http://girisimcilik.boun.edu.tr/>



19. Feza Gürsey Center For Physics And Mathematics:

The mission of the Feza Gürsey Center is to support research in Physics and Mathematics and help establishing new interactions between these two fields. To achieve these, the Center organizes summer and winter schools at its building located at the Kandilli Campus of Boğaziçi University. Moreover, offices are provided for researchers. Since 2013, in collaboration with Science Academy, Turkish Mathematics Society, Turkish Astronomical Society and Turkish Logic Society several summer and winter schools have been organized and hundreds of students from all over Turkey have benefited from these. Although the Center was officially established in 2015, it is a natural continuation of the former Feza Gürsey Institute (1983-2011).

For more information: <http://fezagursey.boun.edu.tr/>

20. Halet Çambel and Nail Çakırhan Archaeology and Classical Architecture Research Center :

The Halet Çambel and Nail Çakırhan Research Center for Archaeology, Vernacular Architecture, and History was founded in August 2014. The center is currently located in the History Department, but will ultimately move to the mansion in Arnavutköy, endowed to B.U. by Çambel and Çakırhan in 2004 to house this center. The historical mansion and its terraced garden had been the family home of Halet Çambel. The building includes furnishings, books and personal archives of Çambel, the internationally acclaimed pioneer female archaeologist of Turkey, and Çakırhan, the renowned journalist, poet and self-trained architect, as well as archives of their relatives and friends. The center will provide a platform and material resources for research in the fields of archaeology, vernacular architecture and history for international scholars and upper level students. In 2011, Boğaziçi University initiated a restoration project to conserve and refunction the mansion into a research center preserving its original character as an Ottoman/Turkish house. The recording and planning phase of the project are completed; the implementation will start in Fall 2017. The Halet Çambel and Nail Çakırhan Research Center also serves as the nexus for the Boğaziçi University Tarsus-Gözlükule Excavations Research Center located in Mersin, Tarsus. This center is housed in a historical cotton-gin factory allocated to B. U., which now serves as excavation compound and material archive of the current B. U. Tarsus-Gözlükule Excavations. The restoration and refunctioning of the building has been completed and it was inaugurated in February 2017.

For more information: <https://arastirma.boun.edu.tr/tr/halet-cambel-ve-nail-cakirhan-arkeoloji-geleneksel-mimarlik-ve-tarih-uygulama-ve-arastirma-merkezi>



21. Information Systems Research Center :

ISRC is established in 2006 to conduct interdisciplinary research on topics that are in line with the latest developments in technology and their application in the field of information systems. ISRC aims to form a platform for concepts and frameworks which will bring solutions to the information systems related requirements of the organizations in global, dynamic and information-intensive contexts with the collaboration of scientific and business world. Priority research areas of the Center are Corporate Information Systems, Mobile Systems, Business Intelligence and Analytics, Decision Support Systems, Big Data, Cloud Computing, Information Technologies, Portfolio Management and Governance, Information Technology Strategies, Business Process Management, Human Computer Interaction, Cyber Security.

For more information: www.bsuygar.boun.edu.tr

22. Language Research Center :

Dil UYGAR is a center to for research in language studies, linguistics and other social sciences which have interfaces with linguistics. The center supports interdisciplinary research projects which focus on different aspects of language either empirically or theoretically. It provides a rich inventory of visual and audial materials from different languages spoken in Turkey. The resources the center has are available to linguists, to other language related research centers and higher education institutes. The center organizes academic seminars on linguistic research and educational activities related to language. Turkish Language and Culture Program is an accredited intensive summer program which is held by the center annually and which aims to teach Turkish to foreigners at beginner, intermediate and advanced levels. The center provides academic support to researchers who conduct research projects and field work on different languages spoken in Turkey.

For more information: <https://arastirma.boun.edu.tr/tr/dil-uygulama-ve-arastirma-merkezi-1993>



23. Life Sciences and Technologies Research Center :

In 2009, Boğaziçi University started to strategically combine and to transform of its research activities in biomedical engineering, molecular biology, health technology and biotechnology into an interdisciplinary research center with substantial financial aid from the Turkish Ministry of Development. The Boğaziçi University Center for Life Sciences and Technologies is now one of a select number of thematically-oriented national centers of excellence. Currently, 68 faculty members from 13 departments and institutes at Boğaziçi University actively pursue groundbreaking research under the umbrella of BULifeSci. BULifeSci operates three major core facilities: a Clean Room, as part of its “Microsystem-based Medical Equipment Development Unit”; a Vivarium as part of its “Experimental Animal Reproduction and Care Unit”; and a Test and Analysis Unit, where an extensive equipment park with contemporary and high-end infrastructure is made available for biotechnology, biomedical and pharmaceutical companies as well as researchers working in these areas.

One of BULifeSci’s main, and unique characteristics at a national level is its university-industry cooperation. So far, several large-scale projects focused on regional development have been carried out within this context: “Inovita, Istanbul Life Sciences and Technologies Cooperation Platform”, “Inovita Health Technologies Incubation Center”, “R&D and Innovation Capacity Building of Istanbul Health Industry”, “Accreditation of Life Science Industry Service Laboratories”, all of which are supported by Istanbul Development Agency (ISTKA), “Researchers for Life Science Industries Program” supported by Turkish Ministry of Development and “ISEK – Istanbul Health Industry Cluster” project supported by Turkish Ministry of Science, Industry and Technology.

BULifeSci’s goals are (i) To bring together researchers and scientists from various academic disciplines with an interdisciplinary team approach, (ii) To conduct innovative research and development considered at a global level in priority areas designated by the Center, (iii) To provide the necessary infrastructure for large-scale projects whose objectives are economic contribution and improvement in the quality of human life, by means of cooperation with other academic and industrial organizations and through innovative approaches and products; (iv) To contribute to the education and training of qualified researchers whom Turkey is in urgent need of, and (v) To become an internationally recognized center of excellence and attraction in the field of life sciences and technologies.

For more information: <https://lifesci.boun.edu.tr/>

24. Mechatronics Research Center :

The classical definition of mechatronics is “the synergistic integration of mechanical engineering with electronics and intelligent computer control in the design, manufacture and operation of industrial products and processes.” With the recent developments in technology this definition has been revised as “the synergistic integration of physical systems with information technology and complex-decision making in the design, manufacture and operation of industrial products and processes. The center is a unit that performs interdisciplinary research to explore, identify and implement the latest technologies in the mechatronics branch as defined. It further endeavours (i) to promote an integrated system of research, training, information and documentation activities in the field of mechatronics and (ii) to evolve as a center of excellence in the field of mechatronics for training and development of high-level human resources at regional levels.

For more information: <http://www.mecha.ee.boun.edu.tr>



25. Nâzım Hikmet Culture and Art Research Center :

Established as an academic unit of Boğaziçi University, The Nâzım Hikmet Research Center for the Arts and Culture aims to cherish and pass on the memory of Nâzım Hikmet, one of the most influential, gifted and globally-recognized poets of recent times, by building up an extensive archive and exploring his pervasive influence on Turkish literature and national arts and culture policies. Another meaningful mission of the Center is to support original research studies on Turkey's cultural heritage of the last two centuries, encompassing the period of Turkish modernization. Founding a research library and an interactive online platform, including a comprehensive virtual museum on Nâzım Hikmet, leading research projects on literature and recent history and organizing academic conferences, seminars, workshops, short-term courses and panels are among the targets of the Center.

For more information: <http://nazimhikmetmerkezi.com/>

26. Peace Education Research Center :

Bogazici University Peace Education Application and Research Center (BUPERC) was established in 2007 as the first peace education center in Turkey. Since its establishment the center has organized seminars, conferences, workshops on several topics, such as peace education and human rights, conflict resolution, peace journalism, psychology of peace, trauma treatment, restorative circles, theater of the oppressed and arts and conflict transformation in order to create an awareness and interest within the community towards these topics and underline the importance of respect for diversity. The center has also conducted several interactive trainings for teachers, counselors, students and members of non-governmental organizations from different cities of Turkey and Cyprus, on several topics including; empathy building, handling prejudices, identity, non-violent communication, anger management, creating a peaceful school climate, conflict resolution, expressive arts and conflict transformation and theater of the oppressed. The major aim of the center is to conduct interactive workshops to train students and educators working in formal and non-formal educational settings; to develop curricula in the field; and carry out research to evaluate the short term and long term effects of these trainings. The center also aims to integrate course material related to peace education and conflict transformation into the curriculum of the formal education system so as to equip teachers, students and school administrators with the necessary skills to help them find creative non-violent solutions to intra-personal, inter-personal and inter-group conflicts.

For more information: www.peaceedu.boun.edu.tr



27. Polymer Research Center :

The Polymer Research Center (PRC) is a center of excellence at Boğaziçi University (BU) in Istanbul, Turkey, established in 1989. The major research activities of PRC comprise of modeling and simulations of biological and synthetic macromolecules, with emphasis on bio-molecular structure and dynamics. The interdisciplinary research activities are conducted in the laboratories of PRC and other integrated laboratories, with joint participation of the Engineering and Arts and Sciences Faculty at BU. PRC forms an infrastructure for bringing together several distinguished researchers with diverse backgrounds in macromolecular physics/chemistry, molecular modeling/simulation/design.

For more information: <http://www.prc.boun.edu.tr>

28. Social Policy Forum Research Center :

The Social Policy Forum is a research and policy center founded at Boğaziçi University with the objective of generating critical knowledge pertaining to the main issues of social policy. The Forum aims to instigate and contribute to the debate on social policy and citizenship rights, carry the European experience and perspective on social policy and welfare reform to the Turkish context, and foster a deeper interest among intellectuals, policy-makers and media in social policy-making in Turkey. The Social Policy Forum conducts and supports academic research with a focus on the main issues of social policy in their social, economic and political significance including poverty and social exclusion; social assistance schemes; social security systems; health, education and other social services; world of labour and changing roles of labour unions.

For more information: <http://www.spf.boun.edu.tr>



29. Sustainable Development and Clean Production Research Center:

Sustainable Development and Cleaner Production Center (SDCPC) ensures sustainable development of the community through use of interdisciplinary knowledge and experience, innovative technology transfer in close cooperation with related stakeholders. As a joint research center within Bogazici University, the office enhances innovative teaching and applied research that covers implementation of best practices and collaboration to provide continued support of sustainable university campuses in sustainable regions. Sustainable urban planning concept has been raised in the group in the recent years with a thorough understanding of comprehensive systematic approach and administrative schemes.

For more information: www.sdcpc.boun.edu.tr

30. Telecommunications and Informatics Technologies Research Center:

Telecommunications and Informatics Technologies Research Center has been established by 41 founding members as a unit of Boğaziçi University Rectorate on September 6, 2013 with the goals,

- o to create a national platform for inter-disciplinary research and applications in all areas related to telecommunications and informatics technologies,
- o to build national and international collaboration including the industry in all areas related to telecommunications and informatics technologies,
- o to organize research and education activities in all areas related to telecommunications and informatics technologies.

For more information: <http://tetam.boun.edu.tr>



31. The Human Development Center :

The Human Development Center at Bogazici University was jointly founded by UNDP and Bogazici to carry out academic and policy-oriented research and training on a broad range of subjects related to human development. Besides coordinating the national human development reports, the Center organizes meetings and workshops bringing together national and international experts on human development.

For more information: <https://arastirma.boun.edu.tr/tr/insani-gelisme-uygulama-ve-arastirma-merkezi-human-development-research-center-2002>

32. The Nafi Baba Center for Research in Sufism, History, and Cultural Heritage :

The Nafi Baba Center for Research in Sufism, History, and Cultural Heritage was established in 2018 with the aim of fostering research on the Sufi culture of Istanbul, Anatolia and the Balkans, and more broadly, the Eastern Mediterranean and western Asian worlds, through the medieval, early modern and modern eras. Hosted at the site that formerly housed the Nafi Baba dervish lodge, the Center aims to shed light on the history of this lodge, and its immediate and larger cultural, social, and material environment. Research activities include investigating, publishing and sharing with the larger public historical documents connected to the history of the lodge, and the individuals and groups who have partaken in its life. The social, cultural, and environmental history, and the shared cultural heritage and memory of the Rumelihisari area constitute another area of research. To these ends, the Center organizes research projects, talk series, conferences and exhibitions in collaboration with the academic departments at Boğaziçi University whose work focuses on related areas and in contribution to interdisciplinary research in humanities and social sciences.

For more information: <https://arastirma.boun.edu.tr/tr/nafi-baba-tasavvuf-tarih-ve-kulturel-miras-uygulama-ve-arastirma-merkezi-2018>

