

LIST OF ELECTED TASSA BOARD MEMBERS (2007)

The following members of the Board comprise
the Executive Committee:

Suleyman Gokoglu, Ph.D. **President**

- Current Position:* Senior Scientist at NASA Glenn Research Center (GRC)
- Previous Experience:*
- Various responsibilities as research scientist and team leader at NASA GRC since 1982
 - Adjunct Faculty, Ohio Aerospace Institute
 - Vice-President for the Mid-Central Region of the Assembly of Turkish American Associations (ATAA)
 - Founding President, the Bogazici University and Robert College International Alumni Association (BURCIN) in the US
 - President, the Turkish American Society of Northeastern Ohio (TASNO)
- Research Interests:* Heat and mass transport phenomena in chemically reacting flow systems, advanced materials synthesis and coatings, combustion, and turbo-machinery
- Education:*
- Ph.D., Chemical Engineering, Yale University
 - M.S., Chemical Engineering, Yale University
 - B.S., Chemical Engineering. and Math, Bogazici University

Banu Onaral, Ph.D. **President-Elect**

- Current Position:*
- Founding Director of School of Biomedical Engineering, Science and Health Systems at Drexel University since 1997
 - H. H. Sun Professor of Biomedical Engineering and Electrical Engineering at Drexel University since 1991
- Previous Experience:*
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| 1997-present | Founding Director, School of Biomedical Engineering, Health and Science Systems, Drexel University, March 1997 |
| 1996 – 1997 | Interim Director, Biomedical Engineering and Science Institute, Drexel University, September 1996 |
| 1993 | H. H. Sun Professor of Biomedical Engineering and Electrical Engineering |
| 1991 | Professor of Electrical and Computer Engineering and Biomedical Engineering, Drexel University |
| 1986- 1987 | Visiting Faculty, Electrical Engineering Department and Biomedical Engineering Research Institute, Bogazici University, Istanbul, Turkey |
| 1986 –1991 | Associate Professor of Electrical and Computer Engineering and Biomedical Engineering, Drexel University |
| 1980 –1986 | Assistant Professor, Electrical and Computer Engineering Department and Biomedical Engineering and Science Institute, Drexel University |
| 1980 | Visiting Faculty, Electrical Engineering Department and Biomedical Engineering Research Institute, Bogazici University, Istanbul, Turkey |
| 1980 | Visiting Assistant Professor, Electrical and Computer Engineering Department, Drexel University |
| 1979 | Postdoctoral Fellow, Bioengineering Department, University of Pennsylvania |

Research Interests: Systems engineering and digital signal processing with special emphasis on complex systems and biomedical signal processing in ultrasound and optics

Education:

- Ph.D., Biomedical Engineering, University of Pennsylvania
- MSEE, Electrical Engineering, Bogazici University
- BSEE, Electrical Engineering, Bogazici University

Murat Tukul, M.S., MBA **Executive Director**

Current Positions:

- Environmental Supervisor, Solid and Infectious Waste Division, Ohio Environmental Protection Agency
- Founder and President, Turkish Translation Solutions

Previous Experience:

- Environmental Engineer, Solid and Infectious Waste Division, Ohio Environmental Protection Agency
- Environmental Engineer, Hazardous Waste Division, Ohio Environmental Protection Agency
- Environmental Specialist, Hazardous Waste Division, Ohio Environmental Protection Agency
- Vice President, Turkish American Society of Northeastern Ohio
- Membership Coordinator, Northeast Ohio Translators Association

Research Interests:

- Solid, Infectious and Hazardous Waste Treatment and Management.
- Special Waste composting, reuse and recycling

Education:

- B.S., Environmental Engineering, Middle East Technical University
- M.S., Civil Engineering, Cleveland State University
- MBA, Project Management, Cleveland State University

Refik Soyer, D. Sc. **Treasurer**

Current Positions:

- Professor of Decision Sciences and of Statistics, The George Washington University
- Director of The Institute for Integrating Statistics in Decision Sciences at The George Washington University
- Research associate at The Institute for Reliability and Risk Analysis at The George Washington University

Previous Experience:

- Professor of Management Science, The George Washington University
- Vice-President, The International Association for Statistical Computing
- Treasurer, Bogazici University and Robert College International Alumni Association (BURCIN)
- Founding Member, Bogazici University and Robert College International Alumni Association (BURCIN)

Research Interests: Bayesian Statistics and Decision Analysis, Reliability Analysis, Stochastic Modeling, Time Series Analysis

Education:

- D. Sc., Operations Research, The George Washington
- M. Sc., Operational Research, Sussex University
- B. A., Economics, Bogazici University

The following members of the Board comprise the Representatives of the Technical Groups:

Engineering & Applied Sciences:

Numan Dogan, Ph. D.

Current Positions:

- Professor of Electrical & Computer Engineering, North Carolina A&T State University, Greensboro
- Vice Chair, IEEE North Carolina Council

Previous Experience:

- Board Member, ATA-NC, Raleigh, NC.
- Founding Member, Bridge to Turkiye Foundation, Raleigh, NC
- Chair & Associate Professor, Tuskegee University, Tuskegee, AL
- Assistant Professor, Washington State University, Pullman, WA
- Visiting Scientist, GE Corporate Research&Development, NY
- Visiting Scientist, AFRL, Aglin AF Base, FL
- Electronics Engineer, TEK (Turkiye Elektrik Kurumu), Trabzon

Research Interests: RF CMOS Circuit Design for Wireless Applications, Millimeter-Wave CMOS Circuits, Energy-starved Electronics

Education:

- Ph.D., Electrical Engineering, University of Michigan, Ann Arbor, MI
- M.S., Electrical Engineering, Polytechnic University, N.Y., NY
- B.S., Electrical Engineering, Karadeniz Technical University, Trabzon

Ali Tombak, Ph.D.

Current Position: Senior Design Engineer, RF Micro Devices Inc.

Previous Experience:

- Ph.D. student and Research Assistant, University of Michigan-Ann Arbor
- Founder and Director of Turkish School, Turkish-American Cultural Association of Michigan
- Ph.D. student and Research Assistant, North Carolina State University

Research Interests: Analog, radio frequency (RF), and microwave integrated circuits and systems, reconfigurable RF/microwave components, high efficiency Silicon LDMOS power amplifiers for wireless communications

Education:

- Ph.D., Electrical Engineering, The University of Michigan
- M.Sc., Electrical Engineering, North Carolina State University
- B.Sc., Electrical Engineering, Middle East Technical University

Erol Tutumlu, Ph.D.

Current Position: Associate Professor Of Civil Engineering (CE), University of Illinois

Past Experience:

- Assistant Professor, University of Illinois
- Post Doctoral Research Fellow, University of Illinois
- Instructor and Graduate Research Assistant, Georgia Tech

Research Interests: Transportation engineering, pavement analysis and design, subgrade soil and aggregate behavior, video-imaging techniques, modeling of particulate media, artificial intelligence in the form of neural network modeling, and mechanistic based pavement design

Education:

- Ph.D., Civil Engineering, Georgia Institute of Technology
- M.S., Civil Engineering, Georgia Institute of Technology
- M.S., Civil Engineering, Duke University
- B.S., Civil Engineering, Bogazici University

Health and Biomedical Sciences:

Semahat Demir, PhD

Current Position:

- Program Director, Biomedical Engineering Program, NSF
- Professor of Biomedical Engineering, University of Memphis & University of Tennessee
- Director of External Affairs, Society of Women Engineers (SWE)

Previous Experience:

- Adjunct Professor of Physiology and Biophysics and Neuroscience Center University of Tennessee, Memphis, TN, USA
- Visiting professor at Istanbul Technical University, Bogazici University (former Robert College) and Isik University in Turkey.
- Expert Scientist and Consultant for the Bioinformatics Research Initiative funded by the World Bank Credits, The Scientific and Technical Research Council of Turkey (TUBITAK), Gebze and Ankara, Turkey
- Technical Manager and Medical Laser Engineer for two German companies, Messerschmidt Bolkow Blohm and Rodenstock, in Turkey.
- Research and development engineer, X-Ray Division of the Medical Engineering Center of Siemens Company in Erlangen, Germany.
- Internships at the Automation Center of Siemens in Karlsruhe in Germany and also at Etnas and Simko of Siemens AG in Istanbul Turkey.
- Postdoctoral Fellow, Department of Biomedical Engineering, School of Medicine, Johns Hopkins University, Baltimore, MD, USA
- Research Associate, Research Assistant and Teaching Assistant, Department of Electrical and Computer Engineering, Rice University, Houston, TX, USA
- Researcher, Cardiovascular Research Group, Department of Physiology & Biophysics, School of Medicine, University of Calgary, Calgary, Alberta, Canada
- Founding President and President, the Turkish American Student Association at Rice University, 1990-1995
- Other relevant board positions: Society of Women Engineers (SWE), Institute of the Electrical and Electronics Engineers (IEEE) Engineering in Medicine and Biology Society (EMBS); Biomedical Engineering Division, American Society for Engineering Education (ASEE) and American Turkish Association of Washington DC (ATA-DC).

Research Interest: computational bioengineering; mathematical modeling; computer simulations of bioelectricity; systems biology/physiology cardiac electrophysiology; neuroscience; physiology and biophysics; development of simulation-based teaching and learning resources.

Education:

- Postdoc Certificate, Biomedical Engineering Department, Johns Hopkins University
- Ph.D., Electrical and Computer Engineering from Rice University
- M.S., Electrical and Computer Engineering from Rice University
- M.S., Biomedical Engineering from Bosphorous University

- B.S., Electronics Engineering from Istanbul Technical University,

Aziz M. Ulug, Ph.D.

- Current Positions:*
- Associate Professor of Physics in Radiology, Weill Medical College of Cornell University
 - Senior Staff Physicist, The Sackler Institute for Developmental Psychobiology, Weill Medical College of Cornell University
 - Assistant Attending Physicist in Radiology, New York Presbyterian Hospital

- Previous Experience:*
- Assistant Professor of Physics in Radiology, Weill Medical College of Cornell University
 - Postdoctoral Fellow, Johns Hopkins University, Department of Radiology

Research Interest: MR Diffusion Tensor Imaging

- Education:*
- Ph.D., Physics, Washington University
 - M.A., Physics, Washington University
 - B.S., Electrical and Electronics Engineering and Physics, Bogazici University

Fikri Avci, Ph. D.

Current Position: Postdoctoral Research Fellow, Microbiology and Molecular Genetics, Harvard Medical School & Department of Medicine, Brigham and Women's Hospital

Previous Experience: Teaching/Research Assistant @ The University of Iowa (2001-2003), Rensselaer Polytechnic Institute (2003-2005)

Research Interest: Molecular and cellular mechanisms of processing and presentation of bacterial capsular polysaccharides in the antigen presenting cells (APCs) of the adaptive immune machinery and communication of these APCs with T-lymphocytes

- Education:*
- Ph.D. (2005), Rensselaer Polytechnic Institute, Troy NY
 - M.S. (2003), The University of Iowa, Iowa City IA
 - B.S. (2001), Fatih University, Istanbul

Natural Sciences:

Baris Coskunuzer, Ph.D.

Current Position: Gibbs Assistant Professor at Yale University

- Previous Experience:*
- Teaching Assistant at Princeton University
 - Teaching Assistant at Caltech

- Research Interests:*
- Geometric Topology
 - Foliation and Lamination Theory
 - Minimal Surfaces and their applications to topology

Education:

- Ph.D., Math, Princeton University
- M.Sc., Math, Caltech
- B.S., Math, Bogazici University

Kenan Gundogdu, Ph. D.

Current Position: Postdoctoral Associate at MIT Chemistry Department

Previous Experience:

- Research Assistant at University of Iowa, physics department
- Postdoctoral researcher at University of Iowa, chemistry department
- President of the Turkish Student Association of University of Iowa

Research Interests:

- Ultrafast laser spectroscopy, development of multi-dimensional spectroscopic techniques using optical pulses
- Femtosecond pulse-shaping
- Electron spin dynamics in semiconductors
- Vibrational dynamics of proton transfer complexes

Education:

- Ph.D., University of Iowa, physics 2004
- B.S., Bogazici University, physics 1999

Social Sciences, Arts and Humanities:

Ali Ozdogan, Ph.D.

Current Position: Ph.D. Candidate, Political Science, American University at Washington, DC

Previous Experience: Head of Telecommunication R&D Division, Ministry of Interior, Ankara

Research Interests:

- Modeling Complexity in Social and Political Science
- Governance of Technology
- Artificial Intelligence
- Telecommunication
- Political Order and Disorder

Education:

- M.Sc., Criminal Justice, University of North Texas
- M.Sc., Electrical and Electronics Engineering, Middle East Technical University
- B.Sc., Electrical and Electronics Engineering, Middle East Technical University

Selcuk Ozgediz, Ph.D.

Current Position: Management Adviser, Consultative Group on International Agricultural Research (CGIAR), The World Bank

Previous Experience:

- 26 years with the World Bank (initially as Economist, later as adviser on governance and management)
- Asst. Prof., Bogazici University
- Senior Research Director, Systems Research Incorporated, Michigan
- Numerous consultancies in the U.S., Turkey, and abroad

Research Interests:

Corporate and non-profit governance, change management, public policy analysis, evaluation of public programs, partnerships and networks

Education:

- Ph.D., Political Science, Michigan State University
- M.A., Political Science, Michigan State University
- M.Sc., Mathematical Statistics, Michigan State University
- B.Sc., Economics and Statistics, Middle East Technical University

Hakan Tasci, M.A.

Current Position:

- Instructor, Economics, University of North Carolina at Chapel Hill
- Ph.D. Candidate, Economics, University of North Carolina at Chapel Hill

Previous Experience:

- Teaching Assistant , University of North Carolina at Chapel Hill
- Teaching and Research Assistant, Economics, Bilkent University

Research Interests:

- Macroeconomics, Dynamic General Equilibrium Models
- Monetary Theory and Policy

Education:

- M.A., Economics, University of North Carolina at Chapel Hill
- M.A., Economics, Bilkent University
- B.S., Mathematics, Bilkent University

The following members of the Board comprise the Chairpersons of the Standing Committees:

Cengizhan Ozturk, M.D., Ph.D. **Bylaws & Election Committee**

Current Positions:

- Staff Scientist, National Heart Lung Blood Institute (NHLBI), National Institutes of Health (NIH)
- Associate Professor, Biomedical Engineering Institute, Bogazici University (on-leave)

Previous Experience:

- Postdoctoral Research Fellow, Medical Imaging Laboratory, Department of Biomedical Engineering, Johns Hopkins University
- Research Fellow, Laboratory of Cardiac Energetics, NHLBI, NIH
- Basic Science Residency, Department of Physiology, Cerrahpasa Medical Faculty, Istanbul University

Research Interests:

Magnetic Resonance Imaging, Image Guided Medical Interventions, Medical Image Processing, Registration and Fusion

Education:

- Ph.D., Biomedical Engineering, Drexel University
- M.D., School of Medicine, Marmara University

Pembe Hande Ozdinler, Ph.D. **Membership Committee**

Current Position:

Postdoctoral Research Fellow, Neurosurgery Department, Mass. General Hospital-Harvard Medical School

Previous Experience:

Research Fellow, Cell Biology and Anatomy Department, LSUHCS, New Orleans, LA

Research Interest:

Role of growth factors in neuronal survival and differentiation

Education:

- Ph.D., LSU Health Sciences Center
- M.S., Bogazici University
- B.S., Bogazici University

**The following member is
the Student Representative on the Board:**

Hasan Ayaz, MS

Current Position: PhD Student, School of Biomedical Engineering, Science & Health Systems, Drexel University, Philadelphia, PA

Previous Experience:

- Founding President, Drexel University Turkish Student Association (Drexel TSA)
- Software Engineer, InfraScan Inc., Philadelphia PA
- Research Assistant, Intelligent System Lab, Bogazici University

Research Interests: Functional near infrared (fNIR) spectroscopy, neuroimaging, digital signal processing, computer graphics, visualization, user interface design, medical device and software development

Education:

- M.S., Biomedical Engineering, Drexel University
- B.S., Electrical and Electronics Engineering, Bogazici University

The following are elected Auditors:

Ahmet Celik, MS, MA

- Current Positions:*
- PhD Candidate at Rutgers University-Newark, School of Criminal Justice
 - New York Regional Coordinator Turkish Institute for Police Studies
- Previous Experience:*
- Peacekeeper in United Nations Mission in Bosnia Herzegovina (UNMIBH)
 - Office of General Director of Turkish National Police
 - Information Technologies Department of Turkish National Police
- Research Interests:*
- Post-Conflict Law Enforcement, Political Violence, Religiously Motivated Terrorism, Environmental Criminology, E-Government
- Education:*
- MA, John Jay College of Criminal Justice, City University of New York
 - MS, Institute of Science and Technology, Gazi University

Alkan Donmez, Ph.D.

- Current Positions:*
- Group Leader, Machine Tool Metrology Group, Manufacturing Engineering Laboratory, NIST
 - Program Manager, Manufacturing Engineering Laboratory, NIST
 - Secretary, ISO/TC39/SC2
- Previous Experience:*
- Lecturer, Mechanical Engineering Department, Johns Hopkins University
 - Lecturer, Mechanical Engineering Department, The Catholic University of America
 - Board of Directors of American Society for Precision Engineering, Society of Manufacturing Engineers Washington DC Chapter, and American Turkish Association of Washington DC
- Research Interests:*
- Advanced manufacturing sciences, machine tool metrology, precision engineering, manufacturing automation, vibration metrology
- Education:*
- Ph.D., Manufacturing Engineering, Purdue University
 - M.S., Manufacturing Engineering, Purdue University
 - B.S., Mechanical Engineering, Middle East Technical University

Hurriyet Aydin Ok, D.Sc.

- Current Position:*
- Senior Information Officer, Enterprise Computing Unit, World Bank Producer, Turkish-American TV, Fairfax, VA
- Previous Experience:*
- TASSA By-Laws Committee Member
 - Associate Professorial Lecturer, Computer Science Department, George Washington University (1994-1998)
 - Founding President, Turkish Student Associations at GWU (TSA-GWU)
 - Software Engineer, Alcatel-Rovsing, Copenhagen, Denmark
 - Research Assistant, Computer Science Department, Hacettepe University
- Research Interests:*
- Enterprise Architecture, Security and Privacy, E-Government, Computer Networks, and Mobile Computing
- Education:*
- D.Sc., Computer Science, George Washington University
 - M.S., and B.S., Computer Science, Hacettepe University