Message from the Dean
UConn School of Engineering

Dear Friends:

The School of Engineering at the University of Connecticut is home to over 100 top faculty members who blend research excellence with superb skill as teachers. Many of our faculty have made seminal contributions in their areas of research expertise, thereby helping to shape the technological landscape.

All of our tenured and tenure-track faculty hold doctoral degrees from respected colleges or universities and are committed researchers and educators. Our faculty have received countless national and international awards for seminal research contributions and excellence in teaching. Two are members of the prestigious National Academy of Engineering, and one is also a member of the National Academy of Sciences. Among our faculty are 45 Fellows of professional societies; more than 30 percent hold top editorial positions with leading engineering and scientific journals. Since 1999, the School of Engineering has established eight Endowed Named and Chair professorships in various technical areas.

It is my great privilege to acquaint you with some of the faculty accomplishments that define our School.

Mun Y. Choi
Dean
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Dr. David E. Crow  
_Distinguished Professor-in-Residence_  
Department of Mechanical Engineering  

Member, National Academy of Engineering (1998)  
Citation: “For leadership in the engineering design of high-bypass-ratio gas turbine engines for aircraft.”

David “Ed” Crow is a Distinguished Professor-in-Residence of Mechanical Engineering. He joined the University of Connecticut in 2002 following a 36-year career with jet engine builder Pratt & Whitney, East Hartford. Dr. Crow joined Pratt & Whitney in 1966, rising to the position of Senior Vice President of Pratt & Whitney’s Engineering organization in May 1997, where he was responsible for the design, development, validation and certification of all Pratt & Whitney large commercial engines, military engines and rocket products. He also led the research and development of advanced technologies systems to meet future aircraft requirements. Dr. Crow previously held the position of Senior Vice President for Pratt & Whitney's Large Commercial Engines organization which included the PW4000 and JT9D high thrust family of products. His research interests lie in gas turbine engineering.

He has served on the Engineering Advisory Board at Clarkson University and is an elected member of the University of Missouri-Rolla Academy of Mechanical Engineers. Dr. Crow is a member of the American Institute of Aeronautics & Astronautics (AIAA) and the American Society of Mechanical Engineers (ASME), and he serves on the Foundation of ASME. He is a member of the NASA Technical Advisory Committee (ATAC) and Chairs the NASA ATAC Subcommittee on Revolutionizing Aviation. He is also a member of the Board of Directors for Earthfirst Technologies and a member of the University of Connecticut Academy of Distinguished Engineers.

Dr. Crow earned his Ph.D. in mechanical engineering at the University of Missouri-Rolla in 1966.
Dr. Anthony J. DeMaria  
*Professor-in-Residence*  
Electrical & Computer Engineering Department  

Member, **National Academy of Engineering** (1976)  
Citation: “Developer of picosecond mode-locked lasers and contributions to high-power lasers.”

Member, **National Academy of Sciences** (1997), Engineering Sciences Section  
Citation: “DeMaria’s pioneering research in picosecond laser pulse physics profoundly influenced the study of molecular and atomic dynamics, nonlinear optics, and plasma physics. He is credited with the first demonstration of picosecond laser pulses and contributed greatly to their generation, amplification, measurement, and applications.”

**Anthony DeMaria** is a Professor-in-Residence within the Electrical & Computer Engineering Department, Chief Scientist of Coherent, Inc. and a founder of DeMaria Electro-Optics Systems, Inc., Bloomfield, CT. Dr. DeMaria founded DeMaria Electro-Optics Systems, Inc. (DEOS) in 1994 and served as chairman and CEO until the company was purchased in 2001 by Coherent, Inc. Dr. DeMaria previously was employed with United Technologies Research Center for 33 years before retiring from UTRC in 1994. At UTRC he served as Assistant Director of Research for Microelectronics and Photonics, and prior to that, Assistant Director of Research for Electronics and Photonics Technologies (1981-93). Dr. DeMaria has pioneered strategic technologies that are widely acknowledged as profoundly important to the study of molecular and atomic dynamics, nonlinear optics and plasma physics. His research interests include photonics, lasers, electro-optics, acousto-optics, and non-linear optics.

Dr. DeMaria holds 45 U.S. patents in areas involving high-speed communications, microelectronic pressure sensors, multiplexers and other photonics and optics technologies. Dr. DeMaria is a Fellow of SPIE – the International Society for Optical Engineering, for which he served as President in 2003; the Institute of Electrical and Electronics Engineers (IEEE); the American Physical Society; and the Optical Society of America, for which he served as president in 1982. He was a co-founding member of the Connecticut Academy of Science and Engineering (1977) and President (1997-03); and he is a member of the Connecticut Academy of Arts and Sciences.

He is the recipient of the Fairchild Distinguished Scholar award, California Institute of Technology (1982-83), Connecticut Medal of Technology Award (2004), UConn Academy of Distinguished Engineers award (2004), Fredric Ives Medal and Award of OSA (1988), IEEE Liebmann Award (1980), and the Rensselaer Polytechnic Institute Davies Medal and Award (1980).

Dr. Anthony DeMaria earned his Ph.D. in engineering physics from the University of Connecticut in 1965.
**Dr. Amir Faghri**

*United Technologies Endowed Chair Professor in Thermal-Fluids Engineering*

*Department of Mechanical Engineering*

Amir Faghri is the United Technologies Endowed Chair Professor in Thermal-Fluids Engineering and formerly the Dean of the School of Engineering (1998-2006). During his tenure as Dean, undergraduate enrollments rose by over 80 percent, the number of B.S. offerings was doubled, research expenditures rose by over 50 percent (2002 to 2004), and the School enjoyed significant growth in endowments. He previously served as Department Head of Mechanical Engineering (1994-1998), a position to which he was recruited through a nationwide search. Prior to joining UConn in 2004, he was the Brage Golding Distinguished Professor at Wright State University, Dayton (1989-93), professor and associate professor of Mechanical & Materials Science Engineering at Wright State University. His research areas of interest include heat and mass transfer, fluid mechanics, boiling and condensation, phase change and solidification, enhanced heat transfer, heat pipes and fuel cells.


Dr. Faghri has authored seven books and editorial volumes, more than 250 archival technical publications, including 150 journal papers, and six U.S. patents as the sole inventor. His is co-author of the textbook, *Transport Phenomena in Multiphase Systems*, published by Elsevier (2006) and author of *Heat Pipe Science and Technology*, published by Taylor & Francis Inc. (1995). He is a Fellow of the American Society of Mechanical Engineers and the recipient of the American Institute of Aeronautics & Astronautics (AIAA) Thermophysics Award (1998), the American Society of Mechanical Engineering (ASME) Heat Transfer Memorial Award (1998), and the ASME James Harry Potter Gold Medal (2006). In addition, he received the AIAA Certificate of Distinguished Service (1999) and is a member of the Connecticut Academy of Science and Engineering.

He received his Ph.D. degree from the University of California at Berkeley in 1976.
Yaakov Bar-Shalom, the Marianne E. Klewin Professor in Engineering, first joined the faculty of the Department of Electrical & Computer Engineering in 1976. He is widely credited with originating the probabilistic data association filter (PDAF) for target tracking in a low signal-to-noise ratio environment; pioneering the theoretical information limit for estimation in the presence of false measurements – and an algorithm that meets this limit; and developing the optimal track-to-track fusion (TtTF) equations for real-world asynchronous decentralized surveillance systems. These tools and tracking paradigms are used worldwide for target detection and tracking by military and national defense organizations. His research interests include multisensor/multitarget tracking, Bayesian estimation theory with application to remote sensing and information theoretic methods for combination of data from multiple sources.

Dr. Bar-Shalom has published more than 340 papers, seven books and numerous book chapters. His research is cited in 8,000 publications, testifying to its importance and relevance. His contributions cover virtually all aspects of target tracking, detection, estimation and data fusion, and many aspects of random systems theory and its applications. He was associate editor of IEEE Transactions on Automatic Control from 1976-77 and associate editor of Automatica from 1978-81. He is a Fellow of the Institute of Electrical and Electronics Engineers (IEEE), a recipient of the IEEE Control Systems Society Distinguished Member Award (1987); the M. Barry Carlton Award for Best Paper in IEEE Transactions on AES (1996, 2000); the J. Mignona Data Fusion Award, Department of Defense JDL Data Fusion Group (2002); and the Distinguished Leadership and Dedicated Service Award, International Society of Information Fusion (2003).

He is a member of the Connecticut Academy of Science and Engineering, and he serves on the Department of Defense Single Integrated Air Picture Task Force (2003-08). Dr. Bar-Shalom is a member of the Board of Directors (1998-07) and served as President (2000, 2002) of the International Society for Information Fusion.

He earned his Ph.D. in electrical engineering from Princeton University in 1970.
Peter Luh, SNET Professor of Communications and Information Technologies, is currently Head of the Department of Electrical & Computer Engineering. He joined the University of Connecticut in 1980 and has served in several administrative capacities in the School of Engineering. He served as Director of the Booth Engineering Center for Advanced Technology (BECAT) from 1997-2004. He was instrumental in winning support from the National Science Foundation to link UConn with the Internet II network. Dr. Luh’s research interests include planning, scheduling, and coordination of design, manufacturing and service activities; configuration and operation of elevators and heating, ventilation, and air-conditioning (HVAC) systems for normal and emergency conditions; schedule and bid optimization and load/price forecasting for power systems; decision making under uncertain or distributed environments; mathematical optimization for large-scale systems; and engineering and socio-economic applications.

Dr. Luh has authored or co-authored 15 book chapters, more than 80 archival technical journal papers, and more than 200 conference papers on subjects as diverse as game theory, decision-making, power systems, and manufacturing systems. He is a Fellow of the Institute of Electrical and Electronics Engineers (IEEE) and the recipient of the Distinguished Service Award, IEEE Robotics and Automation Society; King-Sun Fu Memorial Best Transactions Paper Award, IEEE Transactions on Robotics and Automation; and Outstanding Achievement Award presented by United Technologies Research Center. He is co-inventor on one U.S. patent.

He is founding Editor-in-Chief of IEEE Transactions on Automation Science and Engineering (2003-08) and Associate Editor of Discrete Event Dynamic Systems (1999-present), IIE Transactions on Design and Manufacturing (1997-present), and ACTA Automatica Sinica (2005-present). He was formerly the Technical/Associate Editor (1990-94), Editor (1995-1999) and Editor-in-Chief (1999-2003) of IEEE Transactions on Robotics and Automation; and a member and Council member (2000-2005) of the Connecticut Academy of Science and Engineering. He is a senior member of the Society of Manufacturing Engineers and the Institute of Industrial Engineers (IIE), and a member of the Institute for Operations Research and the Management Sciences (INFORMS) and Sigma Xi. He is also a Visiting Professor at the Center for Intelligent and Networked Systems, the Department of Automation, Tsinghua University, Beijing, China (2001-present).

He received his Ph.D. in applied mathematics from Harvard University in 1980.
Sanguthevar Rajasekaran, United Technologies Corporation Professor of Computer Science & Engineering, is Director of the Booth Engineering Center for Advanced Technology and the GE E-Engineering Clinic at the University of Connecticut. Before joining the university in 2002, Dr. Rajasekaran was a Chief Scientist with Arcot Systems in Santa Clara, CA, a position he held while on temporary leave from his faculty position in the Computer & Information Science Department at the University of Florida, Gainesville. He previously was an assistant professor in the computer information systems department at the University of Pennsylvania (1988-94). His areas of expertise encompass applied algorithms, particularly parallel, randomized algorithms and computational geometry. His work on packet routing is considered by peers to be seminal, and his studies in integer sorting have helped pioneer new methodologies. Dr. Rajasekaran has expanded his work into bioinformatics and computational biology.

Dr. Rajasekaran has co-authored two textbooks, Computer Algorithms/C++ (1997) and Computer Algorithms (1998), both published by W.H. Freeman Press. He has co-edited five books on algorithms and related topics. In addition he has authored 21 book chapters and more than 150 archival journal publications and conference proceedings. He has secured nine U.S. patents, alone and in collaboration with other researchers at Arcot Systems and the University of Florida.

He is Associate Editor of the electronic international journal, Computing Letters (2005-present), Subject Area Editor of the Journal of Parallel and Distributed Computing, an Editorial Board member of the Journal of Interconnection Networks, and former Area Editor, IEEE Transactions on Computers (1996-99).

He was awarded his Ph.D. in computer science at Harvard University in 1988.
Robert Weiss is the UTC Professor of Advanced Materials & Processing and a Board of Trustees Distinguished Professor. Dr. Weiss joined the university in 1981. His research focuses primarily on ionomers, a type of polymer containing bonded salt or acid groups. His interests also span proton exchange membranes - used in fuel cells, polymer blends, wetting of thin polymer films, electrically conductive polymers, and hydrophobically modified hydrogels. He is a Fellow of the American Physical Society, the Society of Plastics Engineers, the American Thermal Analysis Society and the Polymeric Materials: Science and Engineering Division of the American Chemical Society.

Dr. Weiss is a former Associate Director of the Institute of Materials Science, an interdisciplinary research institute, and former Director of the Polymer Program at UConn. He is the inventor or co-inventor on 18 U.S. patents and has published more than 400 peer-reviewed journal articles, book chapters and conference proceedings. Among the honors Dr. Weiss has received are the Society of Plastics Engineers’ International Research Award (2002), International Education Award (2000), and Fred O. Conley Award for Plastics Engineering/Technology (2003).

At the University level, Dr. Weiss was named the Anthony T. DiBenedetto Distinguished Professor of Engineering in 1998. He is Editor-in-Chief of the Society of Plastics Engineers’ journals, Polymer Engineering and Science (1996-current) and Polymer Composites (1997-current). He previously was Associate Editor of both publications. Dr. Weiss serves on the Editorial Boards of Macromolecules, the Journal of Applied Polymer Science, Polymer and Polymer Composites, and Chemistry Central Journal. He is also an adjunct professor of Materials Science at the University of Florida.

He was awarded his Ph.D. in chemical engineering at the University of Massachusetts-Amherst in 1976.
Bahram Javidi joined the University of Connecticut in 1988. His research includes three-dimensional (3D) optical imaging, display, recognition and visualization; secure information systems; automated visualization and recognition of biological micro/nano organisms using optical systems; biomedical image analysis; photon counting imaging; and communications systems. His research has various applications in image sensing and recognition, homeland security, medicine and military uses.

He is Fellow of the Institute of Electrical & Electronics Engineers (IEEE), the American Institute for Medical and Biological Engineering (AIMBE), the Optical Society of America (OSA), the International Society for Optical Engineering (SPIE), the Institute of Physics (IoP), and the Institution of Electrical Engineers (IEE). Dr. Javidi is the recipient of the Dennis H. Gabor Award, presented by SPIE (2005); the Distinguished Lecturer Award, presented by the IEEE Lasers and Electro-optics Society (2004-05); and a Presidential Young Investigator Award, by the National Science Foundation (1990). He also received the University of Connecticut Chancellor’s Research Excellence Award. He was invited in 2003 to participate in the German-American Frontiers of Engineering Symposium of the National Academy of Engineering (NAE), an honor reserved for a select group of emerging engineering leaders aged 30-45. He is now an alumnus of the Frontiers of Engineering of the NAE.

Dr. Javidi is inventor and co-inventor on 18 U.S. patents. He has authored/co-authored 8 books and 45 book chapters, more than 230 archival journal articles, and over 290 conference proceedings, including over 100 plenary, keynote and invited conference papers. His publications have been cited over 3,400 times (Citation Index of WEB of Science). His papers have appeared in *Physics Today* and *Nature*.


He earned his Ph.D. in electrical engineering at Pennsylvania State University in 1986.
**Fellows: Major Professional Societies**

**Mark Aindow** (Chemical, Materials & Biomolecular Engineering)  
Fellow, The Institute of Physics (UK)  
Fellow, Institute of Materials, Minerals and Mining

**A.F.M. Anwar** (Electrical & Computer Engineering)  
Fellow, International Society for Optical Engineering (SPIE)

**Keith Barker** (Computer Science & Engineering)  
Fellow, Institution of Electrical Engineers (IEE) UK

**Yaakov Bar-Shalom** (Electrical & Computer Engineering)  
Fellow, IEEE

**James P. Bell** (Chemical, Materials & Biomolecular Engineering)  
Patrick Fellow, Adhesion Society

**Theodore Bergman** (Mechanical Engineering)  
Fellow of American Society of Mechanical Engineers (ASME)

**Stephen Boggs** (Electrical & Computer Engineering)  
Fellow, IEEE

**Harold Brody** (Chemical, Materials & Biomolecular Engineering)  
Fellow, ASM International

**C. Barry Carter** (Chemical, Materials & Biomolecular Engineering)  
Fellow, American Ceramic Society

**Baki Cetegen** (Mechanical Engineering)  
Fellow, American Society of Mechanical Engineers (ASME)

**Robert Coughlin** (Chemical, Materials & Biomolecular Engineering)  
Fellow, American Institute of Chemical Engineers (AIChE)

**Eli Dabora** (Mechanical Engineering)  
Fellow of American Society of Mechanical Engineers (ASME)

**Anthony DeMaria** (Electrical & Computer Engineering)  
Fellow, International Society for Optical Engineering (SPIE)  
Fellow, IEEE  
Fellow, American Physical Society  
Fellow, Optical Society of America

**John DeWolf** (Civil & Environmental Engineering)  
Fellow, American Society of Civil Engineers (ASCE)

**Eric Donkor** (Electrical & Computer Engineering)  
Fellow, International Society for Optical Engineering
John Enderle (Electrical & Computer Engineering)
Fellow, IEEE
Fellow, American Institute for Medical and Biological Engineering

Gerald Engel (Computer Science & Engineering)
Fellow, Association of Computing Machinery
Fellow, IEEE

Howard Epstein (Civil & Environmental Engineering)
Fellow, American Society of Civil Engineers (ASCE)

Amir Faghri (Mechanical Engineering)
Fellow, American Society of Mechanical Engineers (ASME)

Maurice Gell (Chemical, Materials & Biomolecular Engineering)
Fellow, ASM International

Bahram Javidi (Electrical & Computer Engineering)
Fellow, American Institute for Medical and Biological Engineering (AIMBE)
Fellow, Optical Society of America
Fellow, IEEE
Fellow, International Society for Optical Engineering (SPIE)
Fellow, Institute of Physics (IoP)
Fellow, Institution of Electrical Engineers (IEE)

Eric Jordan (Mechanical Engineering)
Fellow, American Society of Mechanical Engineers (ASME)

Kazem Kazerounian (Mechanical Engineering)
Fellow, American Society of Mechanical Engineers (ASME)

Lee Langston (Mechanical Engineering)
Fellow, American Society of Mechanical Engineers (ASME)

Peter Luh (Electrical & Computer Engineering)
Fellow, IEEE

Robert Magnusson (Electrical & Computer Engineering)
Fellow, Optical Society of America

Harris Marcus (Chemical, Materials & Biomolecular Engineering)
Fellow, ASM International

Nejat Olgac (Mechanical Engineering)
Fellow, American Society of Mechanical Engineers (ASME)

Krishna Pattipati (Electrical & Computer Engineering)
Fellow, IEEE

Ranga Pitchumani (Mechanical Engineering)
Fellow, American Society of Mechanical Engineers (ASME)

Sanguthevar Rajasekaran (Computer Science & Engineering)
Fellow, IEEE
Leon Shaw (Chemical, Materials & Biomolecular Engineering)  
   Fellow, ASM International  
   Fellow, World Academy of Materials and Manufacturing Engineering (AMME), Poland

Montgomery T. Shaw (Chemical, Materials & Biomolecular Engineering)  
   Fellow, Society of Plastics Engineers

Geoff Taylor (Electrical & Computer Engineering)  
   Fellow, IEEE

T.C. Ting (Computer Science & Engineering)  
   Fellow, Computing Research Association

Robert A. Weiss (Chemical, Materials & Biomolecular Engineering)  
   Fellow, American Physical Society  
   Fellow, Society of Plastics Engineers  
   Fellow, American Thermal Analysis Society  
   Fellow, Polymeric Materials: Science and Engineering Division, American Chemical Society

Peter Willett (Electrical & Computer Engineering)  
   Fellow, IEEE
EDITORIAL HONORS

Nelly Abboud
Associate Editor, Fluid/Particle Separation Journal, 1994-97

Mark Aindow
Member, Editorial Board, Research Letters in Materials Science, 2007-present

Reda Ammar
Associate Editor, Computing Letters, 2004-present
Associate Editor, Journal of Simulation, 1992-present
Member, Editorial Board, International Journal of Intelligent Computing and Information Sciences, 2003-present
Member, Editorial Board, International Journal of Software Architecture (IJSA), 2007-present
Editor-in-Chief (2001-07), Associate Editor (1994-00), International Journal of Computers and Their Applications, 2001-07

Mehdi Anwar
Editor, IEEE Transactions on Electron Devices, 2001-present

Emmanouil N. Anagnostou
Associate Editor, Journal of Applied Meteorology, American Meteorological Society

Amvrossios C. Bagtzoglou
Editor, Water, Air, and Soil Pollution: Advances in Remediation Technology, 2004-06
Associate Editor, Ground Water, 1994-97
Associate Editor, Water Resources Research, 1999-04
Associate Editor, Journal of the American Water Resources Association, 2002-present
Associate Editor, Stochastic Environmental Research and Risk Assessment, 2006-present
Editorial Board, Environmental Forensics, 2002-05

Rajeev Bansal
Associate Editor, IEEE Microwave Magazine, 2000-present
Associate Editor, IEEE Antennas and Propagation Magazine, 1987-present
Member, Editorial Board, Progress in Electromagnetic Research (PIER)
Member, Editorial Board, Journal of Electromagnetic Waves and Applications, 1991-00
Associate Editor, Radio Science, 1991-00
Member, Editorial Board, International Journal of RF & Microwave Computer-Aided Engineering, Wiley InterScience, 2004-present

Keith Barker

Yaakov Bar-Shalom
Associate Editor, IEEE Transactions on Automatic Control, 1976-77
Associate Editor, Automatica, 1978-81

Theodore L. Bergman
Member, Editorial Board, Heat Transfer Recent Contents, 1998-01
Associate Editor, ASME Journal of Heat Transfer, 1995-98
Member, Editorial Board, ASME Journal of Heat Transfer, 1995-97

Steven Boggs
Contributing Editor, IEEE Electrical Insulation Magazine
C. Barry Carter
Member, Editorial Board, Journal of Microscopy, Blackwells, 1999-present
Member, Editorial Board, Materials Characterization, Elsevier, 1997-present
Member, Editorial Board, Microscopy and Microanalysis, Springer/CUP, 2004-present
Editor, Microscopy and Microanalysis, Springer/CUP, 2000-2004

Wilson K.S. Chiu
Associate Editor, International Journal of Thermal Sciences, 2007-present
Member, Editorial Advisory Board, The Open Energy and Fuels Journal, 2007-present

Robert Coughlin
Member, Editorial Board, Bioinvention, ~1981-89

Eli K. Dabora
Editor, Shock Waves, an International Journal on Shock Waves, Detonations and Explosions, 1994-99

Anthony J. DeMaria
Associate Editor, IEEE Journal of Quantum Electronics, 1968-77
Editor, IEEE Journal of Quantum Electronics, 1977-82

Kenneth Demars
Technical Co-Editor-in-Chief, ASTM Geotechnical Testing Journal, 1995-present
Member, Editorial Board, Journal of Marine Georesources and Geotechnology, 1986-present

John DeWolf
Associate Editor, Structural Health Monitoring, 2002-present
Associate Editor, Structural Engineering Practice, 1982-83

Eric Donkor
Member, Editorial Board, Journal of Nanoscience and Nanotechnology, American Scientific Publishers, 2000-present

John Enderle
Editor-in-Chief, IEEE EMB Magazine, January 2002-present
Member, Editorial Advisory Board, International Journal of Neural Systems, 2005
Member, Editorial Board, The Open Biomedical Engineering Journal (OBE)

Gerald L. Engel
Member, Editorial Board, Computer Science Education Journal, 1991-present
Founding Editor, Computer Science Education Journal, 1987-91

Amir Faghri
Executive Editor, Heat Transfer Engineering Journal (Thermal Storage & Heat Pipes), 1993-present
Member, Editorial Board, ASME Journal of Heat Transfer, 1993-96
Member, Editorial Board, Journal of Applied Thermal Engineering, 1996-present
Member, Editorial Board, Journal of Heat Transfer Research, 1997-present
Honorary Member, Editorial Advisory Board, International Journal of Heat and Mass Transfer, 1997-present
Honorary Member, Editorial Advisory Board, Communication in Heat and Mass Transfer, 1997-present
Member, Editorial Board, Journal of Process Mechanical Engineering, 1998-03
Horea Ilies
Invited Associate Editor, ASME Journal of Medical Devices, fall 2006

John Ivan
Member, Editorial Advisory Board, Accident Analysis and Prevention, 2005-present

Bahram Javidi
Member, Editorial Board, Proceedings of the IEEE Journal
Member, Editorial Board, Optical and Fiber Communications Reports, Springer-Verlag, 2002-present
Topical Editor, Optical Signal and Image, Marcel Dekker, 1998-present
Topical Editor, Journal of Optical Engineering, 1998-00

Eric Jordan
Associate Editor, ASME Journal of Engineering Materials and Technology, 1992-98

Kazem Kazerounian
Associate Editor, Mechanism and Machine Theory, Pergamon, 2002-present
Associate Editor, ASME Journal of Mechanical Design, 1994-99
Member, Review Advisory Board, ASME Applied Mechanics Reviews, 1992-99

Lee Langston
Editor-in-Chief, Transactions of the ASME, Journal of Engineering for Gas Turbines and Power, 2001-06

Lanbo Liu
Associate Editor, Geophysics, 2003-05
Guest Editor, Journal of Geophysics and Engineering, 2006

Peter Luh
Editor-in-Chief (1999-03), Editor (1995-99), and Technical/Associate Editor (1990-94), IEEE Transactions on Robotics and Automation
Founding Editor-in-Chief, IEEE Transactions on Automation Science and Engineering, 2003-08
Associate Editor, Discrete Event Dynamic Systems, 1999-present
Associate Editor, IEEE Transactions on Design and Manufacturing, 1997-present
Associate Editor, International Journal of Intelligent Control and Systems, 1995-00
Associate Editor, IEEE Transactions on Automatic Control, 1989-91

Robert Magnusson
Associate Editor and Member, Board of Editors, Optical Engineering, International Society for Optical Engineering, 2004-present
Topical Editor, Applied Optics-Optical Technology & Biomedical Optics, 2001-06

Ramesh Malla
Member, Editorial Board, Journal of Aerospace Engineering, American Society of Civil Engineers (ASCE), 1992-present
Member, Editorial Board, International Journal of Space Structures, 1998-present
Associate Editor, Journal of Spacecraft and Rockets, American Institute of Aeronautics and Astronautics (AIAA), 1995-01

Harris Marcus
Member, Editorial Board, Rapid Prototyping Journal, 1995-present

Robert McCartney
Co-Editor-in-Chief, ACM Journal on Educational Resources in Computing, 2006-present
Member, Editorial Board, Journal of Computer Science Education, 1998-present
Arthur McEvily  
Associate Editor, *International Journal of Fatigue*, 1995-present  

Nejat Olgac  
Member, Editorial Board, *International Journal of Mechatronics and Manufacturing Systems*, 2006-present  
Member, Editorial Board, *Journal of Vibration and Control*, 2005-present  

Richard Parnas  

Krishna Pattipati  

Ranga Pitchumani  
Member, Editorial Board, *Journal of Thermoplastic Composite Materials*, 1998– present

Sanguthevar Rajasekaran  
Associate Editor, *Computing Letters*, 2005-present  
Member, Editorial Board, *Journal of Parallel and Distributed Computing*, 1995-present

Alexander Russell  
Associate Editor-in-Chief, *Theory of Computing*

Montgomery Shaw  
Associate Editor, *IEEE Transactions on Dielectrics and Electrical Insulation*, 1990-present

Howard A. Sholl  

Alexander Shvartsman  
Member, Editorial Board, *Studia Informatica*, 1999-present

Erling Smith  
Member, Editorial Board, *International Journal of Space Structures*, 1985-present

Guiling Wang  
Associate Editor, *Journal of Geophysical Research - Biogeosciences*, 2004-07

Robert Weiss  
Editor-in-Chief, *Polymer Engineering and Science*, Society of Plastics Engineers, 1996-present  
Editor-in-Chief, *Polymer Composites*, Society of Plastics Engineers, 1997-present  
Associate Editor, *Polymer Engineering and Science*, Society of Plastics Engineers, 1987-96  
Associate Editor, *Polymer Composites*, Society of Plastics Engineers, 1987-97  
Member, Editorial Board, *Macromolecules*, 2004-present  
Member, Editorial Board, *Journal of Applied Polymer Science*, 2001-present  
Member, Editorial Board, *Polymer and Polymer Composites*, 1996-present  
Member, Editorial Board, *Chemistry Central Journal*, 2006-present
Peter Willett
Editor-in-Chief, IEEE Transactions on Aerospace and Electronic Systems, 2006-present
Associate Editor, IEEE AES Systems Magazine, 2000-present
Editor, IEEE AES Systems Magazine's tutorial issues, 2003-06
Associate Editor, ISIF's Journal of Advances in Information Fusion, 2004-present
Associate Editor, IEEE Transactions on Systems, Man, and Cybernetics, (Parts A, B, C), 1998-00
Associate Editor, IEEE Transactions on Systems, Man, and Cybernetics, (Parts A, B), 2000-03
Associate Editor, Target Tracking and Data Fusion for IEEE Transactions on Aerospace and Electronic Systems, 1998-06

Shengli Zhou
Associate Editor, IEEE Transactions on Wireless Communications, February 2005-present

Quing Zhu
Associate Editor, IEEE Transactions on Systems, Man and Cybernetics (Part B), 2002-present
NATIONAL & INTERNATIONAL AWARDS

Pamir Alpay (Chemical, Materials & Biomolecular Engineering)
CAREER Award, National Science Foundation, 2002

Emmanouil Anagnostou (Civil & Environmental Engineering)
Young Investigator Award, National Aeronautics & Space Administration, 1999
CAREER Award, National Science Foundation, 2002
Plinius Medal, European Geophysical Society, 2002
Marie Curie Excellence Award, European Commission, 2005

Theodore Bergman (Mechanical Engineering)
Presidential Young Investigator, National Science Foundation, 1986

Wilson K.S. Chiu (Mechanical Engineering)
CAREER Award, National Science Foundation, 2001
Young Investigator Award, Office of Naval Research, 2001
Army Research Office (ARO) Young Investigator Award, 2005
ASME Bergles-Rohsenow Young Investigator Award in Heat Transfer, American Society of Mechanical Engineers, 2006

David E. Crow (Mechanical Engineering)
National Academy of Engineering, 1998

Jun-Hong Cui (Computer Science & Engineering)
CAREER Award, National Science Foundation, 2007

Anthony DeMaria (Electrical & Computer Engineering)
National Academy of Engineering, 1976
IEEE Liebmann Award, 1980
Fredric Ives Medal and Award, Optical Society of America, 1988
National Academy of Sciences, 1997

Amir Faghri (Mechanical Engineering)
Thermophysics Award, American Institute of Aeronautics & Astronautics, 1998
Heat Transfer Memorial Award, American Society of Mechanical Engineering, 1998
James Harry Potter Gold Medal, American Society of Mechanical Engineers, 2006

Swapna Gokhale (Computer Science & Engineering)
CAREER Award, National Science Foundation, 2007

Horea Ilies (Mechanical Engineering)
CAREER Award, National Science Foundation, 2007

Bahram Javidi (Electrical & Computer Engineering)
Presidential Young Investigator, National Science Foundation, 1988
Dennis H. Gabor Award, International Society for Optical Engineering, 2005
Distinguished Lecturer Award, IEEE Lasers and Electro-optics Society, 2004-05

Kazem Kazerounian (Mechanical Engineering)
Mechanisms and Robotics Award, American Society of Mechanical Engineering (ASME), 2006

Aggelos Kiayias (Computer Science & Engineering)
CAREER Award, National Science Foundation, 2005

Jeong-Ho Kim (Civil & Environmental Engineering)
CAREER Award, National Science Foundation, 2006
Ion Mandoiu (Computer Science & Engineering)
  CAREER Award, National Science Foundation, 2006

Laurent Michel (Computer Science & Engineering)
  CAREER Award, National Science Foundation, 2007

Kevin D. Murphy (Mechanical Engineering)
  CAREER Award, National Science Foundation, 1996

Ranga Pitchumani (Mechanical Engineering)
  Young Investigator Award, Office of Naval Research, 1996

Michael Renfro (Mechanical Engineering)
  CAREER Award, National Science Foundation, 2003

Alexander Russell (Computer Science & Engineering)
  CAREER Award, National Science Foundation, 2001

Montgomery Shaw (Chemical, Materials & Biomolecular Engineering)
  International Research Award, Society of Plastics Engineers, 1998
  International Award, International Society of Plastic Engineers, 2002

Zhijie Shi (Computer Science & Engineering)
  CAREER Award, National Science Foundation, 2007

Alexander Shvartsman (Computer Science & Engineering)
  CAREER Award, National Science Foundation, 2000

Robert Weiss (Chemical, Materials & Biomolecular Engineering)
  International Education Award, Society of Plastics Engineers, 2000
  International Research Award, Society of Plastics Engineers, 2002
  Fred O. Conley International Engineering/Technology Award, Society of Plastics Engineers, 2003

Benjamin Wilhite (Chemical, Materials & Biomolecular Engineering)
  Young Investigator Award, Office of Naval Research, 2007
  DuPont Young Professor Award, 2007

Shengli Zhou (Electrical & Computer Engineering)
  Young Investigator Award, Office of Naval Research, 2007

Lei Zhu (Chemical, Materials & Biomolecular Engineering)
  CAREER Award, National Science Foundation, 2004
  DuPont Young Professor Award, 2005
  3M Nontenured Faculty Award, 2004