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. 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; 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.
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 10,000 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 IEEE and a recipient of the IEEE Dennis J. Picard Medal for Radar Technologies & Applications (2008); 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 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.
Dr. Sanguthevar Rajasekaran
United Technologies Corporation Professor of Computer Science & Engineering
Department of Computer Science & Engineering

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 is a Fellow of the IEEE.

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’ 2008 International Award, presented in recognition of his lifetime achievements in plastics research, 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 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), the Society for Imaging Science & Technology (IS&T) and the Institution of Electrical Engineers (IEE). Dr. Javidi is the recipient of a 2008 Helmholtz-Humboldt Research Awards for U.S. scientists; the 2008 International Society for Optical Engineering (SPIE) Technology Achievement Award; the 2008 Fellow Award from the John Simon Guggenheim Memorial Foundation in recognition of his work on real-time 3D optical imaging and identification; 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, presented 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 19 U.S. patents. He has authored/co-authored 8 books and 45 book chapters, more than 250 archival journal articles, and over 330 conference proceedings, including over 100 plenary, keynote and invited conference papers. His publications have been cited over 4,500 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 The 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)
Patric 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, SPIE – the International Society for Optical Engineering
John Enderle (Electrical & Computer Engineering)
    Fellow, IEEE
    Fellow, American Institute for Medical and Biological Engineering
    Fellow, American Society for Engineering Education

Gerald Engel (Computer Science & Engineering)
    Fellow, CSAB
    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 Kazeroonian (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
    Fellow, SPIE – the International Society for Optical Engineering

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
Deputy Editor-in-Chief (January ’08 – date) and Editor (July ’04 – January ’08), *Journal of Materials Science, Kluwer*
Member, Editorial Board, *Research Letters in Materials Science*, 2007 - date
Member, Editorial Board, *Advances in Materials Science and Engineering*, 2008 - date

Reda Ammar
Member, Editorial Board, the *International Journal of Intelligent Computing and Information Sciences*, 2003-present
Member, Editorial Board, the *International Journal of Software Engineering (IJSE)*, 2007-present
Member, Editorial Board, the *International Journal of Software Architectures (IJSA)*, 2007-present
Member, Editorial Board, the *Advances in Software Engineering*
Associate Editor, *Computing Letters*, 2004-present
Associate Editor, *International Journal on Software Engineering*

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

Emmanouil N. Anagnostou
Associate Editor, *Journal of Hydrology*

Amvrossios C. Bagtzoglou
Environmental Engineering Topical Editor, *Encyclopedia of Earth*
Editor, *Water, Air, and Soil Pollution: Innovative Remediation Technologies for Pollution Abatement*
Associate Editor, *Journal of the American Water Resources Association*
Associate Editor, *Inverse Problems in Science and Engineering*
Member, Editorial Board, *Journal of Environmental Forensics*
Member, Editorial Board, *Stochastic Environmental Research and Risk Assessment*
Member, Editorial Board, *The Open Civil Engineering Journal*
Member, Editorial Board, *The Open Environmental Engineering Journal*
Editorial Board, *Environmental Forensics*, 2002-05

Rajeev Bansal
Associate Editor, *IEEE Antennas and Propagation Magazine*, 1987-present
Associate Editor, *IEEE Microwave Magazine*, 2000-present
Member, Editorial Board, *Progress in Electromagnetics Research (PIER online)*
Member, Editorial Board, *Journal of Electromagnetic Waves and Applications*, 1991-00
Associate Editor, *Radio Science*, 1991-00

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

**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

**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
Board Member, *The Open Renewable Energy Journal*, 2008 - present

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

**Jun-Hong Cui**
Member, Editorial Board, Elsevier *Ad Hoc Networks*, December 2007-present

**Eli K. Dabora**

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

**Kenneth Demars**
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**
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

Swapna S. Gokhale
Member, Editorial Board, Open Software Engineering Journal

Chun-Hsi Huang
Member, Editorial Board, Medical Informatics Insights, Libertas Academica, 2007-present

Bryan Huey
Member, Editorial Board, Journal of Scanning Probe Microscopy

Horea Ilies
Invited Associate Editor, ASME Journal of Medical Devices, fall 2006

John Ivan
Member, Editorial Advisory Board, Accident Analysis & Prevention, 2005-present
Member, Editorial Advisory Board, Transportation Safety and Security

Bahram Javidi
Member, Editorial Board, IEEE Journal of Display, 2004-present
Member, Editorial Board, Proceedings of the IEEE Journal, 2007-present
Member, Editorial Board, Optical and Fiber Communications Reports, Springer-Verlag, 2002-2007
Topical Editor, Optical Signal and Image Processing, Marcel Dekker, 1998-present

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, Journal of Environmental and Engineering Geophysics
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
Associate Editor, IIE Transactions on Design and Manufacturing, 1997-present
Associate Editor, Discrete Event Dynamic Systems, 1999-present
Associate Editor, ACTA Automatic Sinica, 2005-present
Member, Advisory Board, IEEE Systems Journal, 2006-present
Member, Senior Editors Panel and Advisory Committee, *IEEE Transactions on Automation Science and Engineering*

Member, Senior Editors Panel, *IEEE Transactions on Robotics*

Member, Advisory Board, *International Journal of Intelligent Computing and Cybernetics*, 2007-present

Member, Advisory Board, *International Transactions on Systems Science and Applications*, 2006-present


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

Ion I. Mandoiu


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

Member, Editorial Advisory Board, *Polymer Composites*


Krishna Pattipati


Ranga Pitchumani


Member, Editorial Board, *Journal of Thermoplastic Composite Materials*, 1998– present
Sanguthevar Rajasekaran
Associate Editor, Journal of Parallel and Distributed Computing
Associate Editor, International Journal of Computers and Their Applications
Associate Editor, Computing Letters, 2005-present

Alexander Russell
Associate Editor-in-Chief, Theory of Computation, 2005-10

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

Dong-Guk Shin
Member, Editorial Board, Bioinformatics and Biology Insights, Libertas Academica

Howard A. Sholl
Founding Editor, International Journal for Computers and Their Applications, 1993

Alexander Shvartsman
Member, Editorial Board, Studia Informatica, 1999-present
Co-Editor, Distributed Computing, Springer Special Issue, 2007-08

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

Mohammad Tehranipoor
Associate Editor, Journal of Electronic Testing: Theory and Applications
Editor, TTTC Newsletter

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

Mei Wei
Member, Editorial Board, Journal of Biomimetics, Bioinformatics, and Biocomputing
Member, Board of Review, Metallurgical and Materials Transactions A
Member, Editorial Board, ASAI0 Journal

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
Member, International Advisory Board, Polymer and Polymer Composites, 1996-present
Member, Editorial Advisory Board, Journal of Applied Polymer Science, 2001-present
Member, Editorial Advisory Board, Macromolecule, 2004-present
Member, Editorial Advisory Board, Chemistry Central Journal, 2006-present
Associate Editor, Polymer Engineering and Science, Society of Plastics Engineers, 1987-96
Associate Editor, Polymer Composites, Society of Plastics Engineers, 1987-97

Peter Willett
Editor-in-Chief, IEEE Transactions on Aerospace and Electronic Systems, January 2006-present
Associate Editor, IEEE Transactions on Aerospace and Electronic Systems Magazine, June 2000-present
Associate Editor, International Society for Information Fusion Journal of Advances in Information Fusion, 2006-present
Editor, IEEE AES Systems Magazine's tutorial issues, 2003-2006
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), '98-2000
Associate Editor, IEEE Transactions on Systems, Man, and Cybernetics, (Parts A, B), 2000-2003
Associate Editor, *Target Tracking and Data Fusion* for *IEEE Transactions on Aerospace and Electronic Systems*, 1998-2006

**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

Yaakov Bar-Shalom (Electrical & Computer Engineering)

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
  Young Investigator Award, Office of Naval Research, 2008

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

Mekonnen Gebremichael (Civil & Environmental Engineering)
  New Investigator Program Award, National Aeronautics & Space Administration

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)
President's 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
Helmholtz-Humboldt Research Award, 2008
IEEE Donald G. Fink Prize, 2008
Fellow Award, John Simon Guggenheim Memorial Foundation, 2008
Technology Achievement Award, SPIE, 2008

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

Ugur Pasaogullari (Mechanical Engineering)
CAREER Award, National Science Foundation, 2008

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 Plastics Engineers, 2002

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

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

Bing Wang (Computer Science & Engineering)
CAREER Award, National Science Foundation, 2008
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
   International Award, Society of Plastics Engineers, 2008

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