

*Election to the grade of IEEE Fellow acknowledges outstanding contributions and exceptional professional distinction. We are pleased to present the IEEE Control Systems Society members who have been accorded this honor for 2002.*

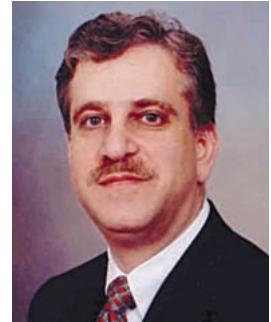
### **Eyad H. Abed**

*University of Maryland, College Park, MD, U.S.A.*

*For contributions to the control of nonlinear dynamical systems and singular perturbation methods.*

Eyad H. Abed received his S.B. degree in 1979 from Massachusetts Institute of Technology and his M.S. and Ph.D. degrees in 1981 and 1982, respectively, from the University of California-Berkeley, all in electrical engineering. He has been with the University of Maryland, College Park, since 1983, where he is presently a professor of electrical and computer engineering and Acting Director of the Institute for Systems Research. His research has included contributions to the control of nonlinear systems exhibiting bifurcation and chaos, singular perturbation analysis and reduced-order modeling, linear robust stability, and applications such as electric power systems, gas turbine jet engines, power electronics, radar trackers, tethered satellite systems, and, most recently, computer networks.

Prof. Abed's awards include the Presidential Young Investigator Award, the O. Hugo Schuck Best Paper Award, the Senior Fulbright Scholar Award, and the Alan Berman Research Publication Award. He currently serves on the Advisory Editorial Board of *Nonlinear Dynamics*.



### **Anuradha Mandayam Annaswamy**

*Massachusetts Institute of Technology, Cambridge, MA, U.S.A.*

*For contributions to adaptive control theory, neural networks, and active-adaptive control of combustion systems.*

Anuradha M. Annaswamy received her Ph.D. degree in electrical engineering from Yale University in 1985. She has been a member of the faculty at Yale, Boston University, and Massachusetts Institute of Technology, where she is currently the director of the Active-Adaptive Control Laboratory and a principal research scientist in the Department of Mechanical Engineering. Her research interests pertain to adaptive control; active control of resonant thermo-fluid systems, including combustion processes and supersonic flows; and neural networks. She has authored numerous journal and conference papers and coauthored a graduate textbook on adaptive control.

Dr. Annaswamy has received several awards, including the Alfred Hay Medal from the Indian Institute of Science in 1977, the Stennard Fellowship from Yale University in 1980, the IBM post-doctoral fellowship in 1985, the George Axelby Outstanding Paper Award from the IEEE Control Systems Society in 1988, and the Presidential Young Investigator Award from the National Science Foundation in 1991. Dr. Annaswamy is a member of AIAA.





### **Siva S. Banda**

*Air Force Research Laboratory, Wright-Patterson Air Force Base, OH, U.S.A.*

*For leadership in developing and applying multivariable flight control techniques for military applications.*

Siva S. Banda leads the Control Science Center of Excellence located at the Air Vehicles Directorate, Air Force Research Laboratory (AFRL), Wright-Patterson Air Force Base, OH, U.S.A. He received his Ph.D. in Aerospace Engineering in 1980 from the University of Dayton, OH, and has been working for the Air Force at AFRL since then. His current research efforts focus on autonomous and cooperative control of multiple unmanned air vehicles, guidance and control of transatmospheric vehicles, aerodynamic flow control, and formation control of microsatellite clusters. Among his many duties, he also serves as a technical advisor to AFOSR, DARPA, ONR, NRC, and NASA on control research for military needs.

Dr. Banda was an Associate Editor of the *IEEE Transactions on Control Systems Technology*, Editor of the *International Journal of Robust and Nonlinear Control*, and an Associate Editor of the *Journal of Guidance, Control and Dynamics*. He is the recipient of the 2000 IEEE Control Systems Technology Award and is a Fellow of the AFRL, AIAA, and the Royal Aeronautical Society.



### **Sankar Basu**

*IBM T.J. Watson Research Center, Hawthorne, NY, U.S.A.*

*For contributions to theory and application of multidimensional circuits, systems, and signal processing.*

Sankar Basu received his Ph.D. in electrical engineering from the University of Pittsburgh. He has been an Alexander von Humboldt Fellow on visits to Ruhr University, Bochum, Germany, a visiting scientist at the laboratory for Information and Decision Systems at Massachusetts Institute of Technology, and an electrical engineering faculty member at the Stevens Institute of Technology. For the past several years, he has been with the IBM T.J. Watson Research Center, New York.

Dr. Basu's main research interests are in the mathematics of networks and systems theory with particular emphasis on multidimensional systems. Recently, he has been involved with statistical learning and multimedia signal processing. He has also published in the areas of digital filter synthesis, image processing, nonlinear modeling techniques and wavelets, and filter banks. He was General Chair of the First IEEE International Conference on Multimedia and Expo, held in New York City in August 2000, and currently serves as the steering committee chair. He was an Associate Editor for the *IEEE Transactions on Circuits and Systems* and is on the editorial boards of the *Journal of Applied Signal Processing* and the *Journal of Multidimensional Systems and Signal Processing*. He has served as a reviewer or panelist for government funding agencies, including the National Science Foundation and the Engineering and Physical Sciences Research Council of the United Kingdom, in the areas of information technology, signal processing, data management, and others. He is a member of SIAM, Eta Kappa Nu, and Sigma Xi.

## Vivek Shripad Borkar

*Tata Institute of Fundamental Research, Mumbai, India*

*For contributions to stochastic and adaptive control.*

Vivek S. Borkar obtained his B.Tech. in electrical engineering from the Indian Institute of Technology, Mumbai, in 1976; his M.S. in systems and control engineering from Case Western Reserve University in 1977; and his Ph.D. in electrical engineering and computer science from the University of California-Berkeley in 1980. He has held positions in the Tata Institute of Fundamental Research (TIFR) Centre, Bangalore (1981-1989), the Indian Institute of Science (1989-1999), and Tata Institute of Fundamental Research (since 1999), where he is currently a professor in the School of Technology and Computer Science. He has held visiting positions at the University of Twente, Massachusetts Institute of Technology, the University of California-Berkeley, the University of Maryland-College Park, and has been a short-term visitor to the Institute for Mathematics and Its Applications (Minneapolis, MN), Scuola Normale Superiore (Pisa), the University of Illinois at Urbana-Champaign, Massachusetts Institute of Technology, the University of Southern Australia, and Vrije University (Amsterdam).

Prof. Borkar is a Fellow of the Indian Academy of Sciences and the Indian National Science Academy and has won numerous honors, including the S.S. Bhatnagar Award, the Homi Bhabha Fellowship, and the Distinguished Alumnus Award of the Indian Institute of Technology (Mumbai). His research interests are in stochastic optimization and control and applications.



## Gérard-André Pierre Capolino

*University of Picardie, Amiens, France*

*For contributions to modeling, simulation, and control techniques applied to power electronics and electrical drives.*

Gérard-André P. Capolino received his B.S. in electrical engineering from Ecole Supérieure d'Ingénieurs de Marseille in 1974; his M.S. in electrical engineering from Ecole Supérieure d'Electricité, Paris, in 1975; his Ph.D. in electrical engineering and computer science from University Aix-Marseille I in 1978; and his D.Sc. degree in engineering sciences from Institut National Polytechnique de Grenoble in 1987. In 1978, he joined the University of Yaoundé, Cameroon, as associate professor and head of the Department of Electrical Engineering. From 1981 to 1994, he was an associate professor at the University of Dijon and the Mediterranean Institute of Technology, Marseille. From 1983 to 1985, he was a visiting professor at the University of Tunis, Tunisia. From 1987 to 1989, he was the scientific advisor to Technicatome SA in the field of electrical drives for nuclear propulsion. In 1994, he joined the University of Picardie Jules Verne as a full professor and head of the Department of Electrical Engineering from 1995 to 1998, and Director of the Energy Conversion and Intelligent Systems Laboratory from 1995 to 1999. In 1995, he was a Fellow European Union Professor at Polytechnic University of Catalunya, Spain. He is currently Director of Graduate Studies in electrical engineering at the University of Picardie.

Prof. Capolino's research interests include electrical machines, power electronics, and electrical drives, for which he has introduced new techniques of modeling, control, and simulation. He has published more than 200 papers and has coauthored the book *Simulation & CAD for Electrical Machines, Power Electronics and Drives* (ERASMUS Program Edition, Brussels, 1991). He was elected vice-chair of the IEEE France Section in 2002 and is the active chair of the joint IEEE Industrial Electronics, Industry Applications, and Power Electronics societies, France Chapter. He is currently an Associate Editor of the *IEEE Transactions on Industrial Electronics*.





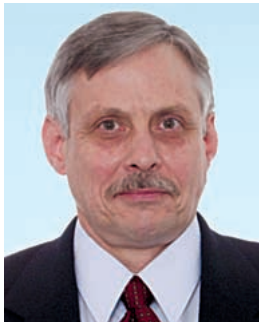
### **Bor-Sen Chen**

*National Tsing Hua University, Hsinchu, Taiwan*

*For contributions to fuzzy control theory and its applications.*

Bor-Sen Chen received his B.S. degree in electrical engineering from Tatung Institute of Technology, Taiwan, in 1970; his M.S. in geophysics from National Central University, Taiwan, in 1973; and his Ph.D. in electrical engineering from the University of California, Los Angeles, in 1982. He was a lecturer, associate professor, and professor at Tatung Institute of Technology from 1973 to 1987. He is now a professor at National Tsing Hua University, Hsinchu, Taiwan. His current research interests include control signal processing and bioinformatics.

Dr. Chen is a four-time recipient of the Distinguished Research Award from the National Science Council of Taiwan. He is a Research Fellow of the National Science Council and holds the chair of Outstanding Scholarship. He served as chair of the Taipei Chapter of the IEEE Control Systems Society in 1991. He is currently an Associate Editor of the *IEEE Transactions on Fuzzy Systems* and Editor of the *Journal of Asian Control*.



### **Jeffrey A. Cook**

*Ford Motor Company, Dearborn, MI, U.S.A.*

*For contributions to automotive powertrain control.*

Jeffrey A. Cook is a Staff Technical Specialist at the Ford Motor Company, Scientific Research Laboratory. He received his B.S. degree in mechanical engineering from the Ohio State University in 1973 and his M.S. degree in electronic and computer control systems from Wayne State University in 1985. His research addresses modeling and control of advanced technology automotive engines for improved fuel economy and emissions and improvements in systems engineering processes for the design of automotive powertrain controls. He holds more than 20 patents on engine systems technology.

Mr. Cook is a recipient of the Henry Ford Technology Award and is an author of more than 40 technical publications on automotive powertrain modeling and model-based control design. Prior to joining the Ford Motor Company in 1976, he held positions at United Technologies Corporation and Teledyne CAE.



### **Maria Domenica Adele Di Benedetto**

*Università de L'Aquila, L'Aquila, Italy*

*For contributions to the theory of nonlinear and hybrid control system design.*

Maria Domenica A. Di Benedetto obtained her Dr. Ing. degree (summa cum laude) in electrical engineering and computer science from the University of Roma "La Sapienza" in 1976 (Mosé Ascoli Award). She obtained the Docteur-Ingenieur degree in 1981 and the Doctorat d'Etat Sciences in 1987 from the Université de Paris-Sud, Orsay, France. From 1979 to 1983, she was a research engineer at the scientific centers of IBM in Paris and Rome. From 1983 to 1987, she was "Ricercatore" at the University of Roma "La Sapienza." From 1987 to 1990, she was associate professor at the Istituto Universitario Navale of Naples. From 1990 to 1993, she was associate professor at the University of Roma "La Sapienza." She has been a professor of control theory at University of L'Aquila since 1994 and adjunct professor, Department of EECS, University of California-Berkeley since 1995. In 1987, she was a visiting scientist at Massachusetts Institute of Technology; in 1988, 1989, and 1992, she was a visiting professor at the University of Michigan, Ann Arbor; in 1992, Chercheur Associé, Ecole Nationale Supérieure de Mécanique, Nantes, France; and in 1990, 1992, 1994, and 1995, she was McKay Professor at the University of California-Berkeley. Her research interests revolve around nonlinear control and hybrid systems.

Prof. Di Benedetto was Associate Editor of the *IEEE Transactions on Automatic Control* and has been Subject Editor of the *International Journal of Robust and Nonlinear Control*. She is the Principal Investigator and Director of the Center of Excellence for Research DEWS on “Architectures and Design Methodologies for Embedded Controllers, Wireless Interconnect, and System-on-Chip,” University of L’Aquila.

### **Matthew Ronald James**

*Australian National University, Canberra, Australia*

*For contributions to the theory of robust control design for nonlinear systems.*

Matthew R. James received his B.Sc. degree in mathematics and his B.E. (Hon. I) in electrical engineering from the University of New South Wales, Australia, in 1981 and 1983, respectively. He received his Ph.D. in applied mathematics from the University of Maryland-College Park in 1988. In 1995, he joined the Department of Engineering, Faculty of Engineering and Information Technology, Australian National University, where he is currently the head of the department.

From 1978 to 1984, Dr. James was employed by the Electricity Commission of New South Wales (now Pacific Power), Australia. From 1985 to 1988, he held a Fellowship with the Systems Research Center (now the Institute for Systems Research), University of Maryland-College Park. In 1988/1989, he was with the Division of Applied Mathematics, Brown University, and from 1989 to 1991, he was with the Department of Mathematics, University of Kentucky. From 1991 to 1995, he was with the Department of Systems Engineering, Research School of Information Science and Engineering, Australian National University, Canberra.



### **Atsuo Kawamura**

*Yokohama National University, Yokohama, Japan*

*For contributions to real-time digital feedback control of PWM inverters and its application to UPS.*

Atsuo Kawamura received his B.S.E.E., M.S.E.E., and Ph.D. degrees in electrical engineering from the University of Tokyo, Tokyo, Japan, in 1976, 1978, and 1981, respectively. In 1981, he joined the Department of Electrical and Computer Engineering at the University of Missouri-Columbia as a postdoctoral fellow, where he was an assistant professor from 1983 through 1986. He joined the Department of Electrical and Computer Engineering, Yokohama National University, Yokohama, Japan, in 1986 as an associate professor, and he has been a professor since 1996.

Prof. Kawamura’s interests are in power electronics, digital control, electric vehicles, biped walking robots, and train traction control. He received the IEEE IAS Transaction Prize Paper Award in 1988, and he was awarded the Prize Paper Award of IEE of Japan in 1996.





### **Miroslav Krstic**

*University of California, San Diego, La Jolla, CA, U.S.A.*

*For contributions to nonlinear and adaptive control.*

Miroslav Krstic started as an assistant professor at the University of Maryland and is currently a professor in the Department of Mechanical and Aerospace Engineering at the University of California, San Diego. He earned his Ph.D. degree under Petar Kokotovic at the University of California, Santa Barbara (UCSB), in 1994, where he received the UCSB Best Dissertation Award. He has received the National Science Foundation Career Award, the Office of Naval Research Young Investigator Award, and is the only recipient of the Presidential PECASE Award in the area of control theory. He also received the George Axelby, O. Hugo Schuck, and several other best paper awards. His research interests include nonlinear, adaptive, robust, stochastic, and distributed-parameter control theory and applications to flows and propulsion.

Prof. Krstic is a coauthor of the books *Nonlinear and Adaptive Control Design* and *Stabilization of Nonlinear Uncertain Systems*. He has served as Associate Editor for the *IEEE Transactions on Automatic Control*, the *International Journal of Adaptive Control and Signal Processing*, *Systems and Control Letters*, and other journals. He is a member of the IEEE Control Systems Society Board of Governors.



### **Sean P. Meyn**

*University of Illinois at Urbana-Champaign, Urbana, IL, U.S.A.*

*For contributions to stochastic control, dynamic optimization, and control of large networks.*

Sean P. Meyn received his B.A. degree in mathematics from the University of California, Los Angeles, in 1982, and his Ph.D. degree in electrical engineering from McGill University, Montréal, Canada, in 1987. He spent two years as a postdoctoral fellow at the Department of Systems Engineering, Australian National University. He is currently a professor with the Department of Electrical and Computer Engineering at the University of Illinois at Urbana-Champaign and a research professor with the Coordinated Science Laboratory. His current research interests include stochastic processes, dynamic optimization, control issues in network applications, and model reduction techniques in molecular models.

Dr. Meyn serves as an Associate Editor of several journals in the systems and control area, is a member of Phi Beta Kappa, and was a University of Illinois Vice Chancellor's Teaching Scholar. He is coauthor with Richard L. Tweedie of the award-winning book *Markov Chains & Stochastic Stability* (Springer-Verlag, London, 1993). During the 1997-1998 academic year, he visited the Indian Institute of Science, Bangalore, India, under a Fulbright research fellowship.



### **Asok Ray**

*Pennsylvania State University, University Park, PA, U.S.A.*

*For contributions to aerospace and electromechanical systems.*

Asok Ray earned his Ph.D. degree in mechanical engineering from Northeastern University, Boston, MA, in 1976, as well as graduate degrees in each of the disciplines of electrical engineering, computer science, and mathematics. He joined the Pennsylvania State University faculty in July 1985 and is currently a professor of mechanical engineering and a member of the graduate faculties in electrical engineering and the Inter-College Program in Materials. Prior to joining Penn State, Dr. Ray held research and academic positions at Massachusetts Institute of Technology and Carnegie Mellon University, as well as research and management positions at GTE Strategic Systems Division, Charles Stark Draper Laboratory, and MITRE Corporation.

Dr. Ray's research interests include decision and control theory and its applications to aerospace and electromechanical systems. He is a Fellow of ASME and is registered as a Professional Electrical Engineer in the Commonwealth of Massachusetts.

### **Graham John Rogers**

*Cherry Tree Scientific Software, Colbourne, Ontario, Canada*

*For contributions to the modeling, analysis, and control of dynamic phenomena in power systems.*

After graduating from Southampton University in 1961, Graham J. Rogers has had a varied career in engineering practice and teaching. In the United Kingdom, he was a consultant mathematician with AEI (Rugby) Ltd. and taught in the Electrical Engineering Department of Southampton University. He emigrated to Canada in 1978 to work in the System Planning Division of Ontario Hydro, where he was Senior Engineer, Specialist Control. In 1993, he retired from Ontario Hydro and formed Cherry Tree Scientific Software, through which he performs consulting in power system dynamics and control and develops computer programs for power system analysis.

Graham Rogers was an Associate Editor of *IEEE Transactions on Control Technology* and is on a number of IEEE Power Engineering Society committees. He is an adjunct associate professor at the University of Toronto. He has published 40 papers on various aspects of power system analysis and control and a book titled *Power System Oscillations*.



### **Juan Jose Sanchez-Gasca**

*GE Power Systems Energy Consulting, Schenectady, NY, U.S.A.*

*For contributions to small signal analysis, identification, and control methods for power system dynamic performance.*

Juan J. Sanchez-Gasca received his B.S. degree in electrical engineering from the University of Guanajuato, Mexico, in 1975 and his M.S.E.E., M.S.C.S., and Ph.D. degrees from the University of Wisconsin-Madison in 1978, 1983, and 1983, respectively. He joined the General Electric Company in 1983. At General Electric, he has worked in the areas of dynamic simulation and control of power systems as a member of the engineering staff of GE Power Systems Energy Consulting.

Dr. Sanchez-Gasca is a member of the IEEE Power Systems and Control Systems societies. He is a member of the IEEE Power System Dynamic Performance Committee and of several subcommittees and working groups related to power system stability. He is also a member of the International Council on Large Electric Systems (CIGRE), where he has been a contributor to several task forces.



### **Suresh Pal Sethi**

*The University of Texas at Dallas, Richardson, TX, U.S.A.*

*For contributions to control and optimization of management and economic systems.*

Suresh P. Sethi received his Ph.D. in operations research from Carnegie Mellon University in 1972 after completing engineering studies at IIT Bombay, India. Currently, he is the Ashbel Smith Professor of Operations Management at The University of Texas at Dallas. He has published more than 250 research papers applying quantitative methods to the fields of manufacturing and operations management, finance and economics, marketing, and optimization theory. He has written three books: *Optimal Control Theory: Applications to Management Science and Economics* (first edition, 1981; second edition, 2000); *Hierarchical Decision-Making in Stochastic Manufacturing Systems* (1994); and *Optimal Consumption and Investment with Bankruptcy* (1997).

Prof. Sethi has received numerous honors, including: Fellow of the New York Academy of Sciences (1999); C.Y. O'Connor Fellow, Curtin University, Perth, Australia (1998); Award of Merit of the Canadian Operational Research Society (CORS) (1996); Honorary Professor at Zhejiang Uni-



versity of Technology, Hangzhou, China (appointed in 1996); Fellow of the Canadian Academy of Sciences and Humanities (1994); Visiting Erskine Fellow at the University of Canterbury, Christchurch, New Zealand (1991); and Connaught Senior Research Fellow at the University of Toronto (1984-85). He has been listed in *Canadian Who's Who* since 1997. He is a member of INFORMS, SIAM, AAAS, NYAS, CORS, POMS, and ORSI.



### **Malcolm C. Smith**

*University of Cambridge, Cambridge, U.K.*

*For contributions to feedback control and systems theory.*

Malcolm C. Smith was educated at the University of Cambridge, England, where he received the B.A. degree in mathematics in 1978; the M.Phil. degree in control engineering and operational research in 1979; and the Ph.D. degree in control engineering in 1982. He was subsequently a Research Fellow at the German Aerospace Center, DLR, Oberpfaffenhofen, Germany; a visiting assistant professor and research fellow with the Department of Electrical Engineering at McGill University, Montreal, Canada; and an assistant professor with the Department of Electrical Engineering at The Ohio State University, Columbus. In 1990, he returned to Cambridge as a lecturer in the Department of Engineering and became a Reader in 1997. He is a Fellow of Gonville and Caius College.

Dr. Smith's research interests include control system design, frequency response methods,  $H_\infty$  optimization, nonlinear systems, active suspension, and mechanical systems. He was a co-recipient of the George S. Axelby Outstanding Paper Award in the *IEEE Transactions on Automatic Control* for the years 1992 and 1999, both times for joint work with Dr. Tryphon T. Georgiou.



### **Andrew Richard Teel**

*University of California, Santa Barbara, CA, U.S.A.*

*For contributions to control systems with actuator limitations and to input-output theory for nonlinear dynamic systems.*

Andrew R. Teel received his A.B. degree in engineering sciences from Dartmouth College, Hanover, New Hampshire, in 1987, and his M.S. and Ph.D. degrees in electrical engineering from the University of California-Berkeley in 1989 and 1992, respectively. After receiving his Ph.D., Dr. Teel was a postdoctoral Fellow at the Ecole des Mines de Paris in Fontainebleau, France. In September of 1992, he joined the faculty of the Electrical Engineering Department at the University of Minnesota, where he was an assistant professor until September of 1997. In 1997, Dr. Teel joined the faculty of the Electrical and Computer Engineering Department at the University of California-Santa Barbara, where he is currently a professor. His research interests include nonlinear dynamical systems and control with application to aerospace and related systems.

Prof. Teel received the National Science Foundation Research Initiation and CAREER Awards, the 1998 IEEE Leon K. Kirchmayer Prize Paper Award, and the 1998 George S. Axelby Outstanding Paper Award and was the recipient of the first SIAM Control and Systems Theory Prize in 1998. He was also the recipient of the 1999 Donald P. Eckman Award and the 2001 O. Hugo Schuck Best Paper Award, both given by the American Automatic Control Council.



## Arjan J. van der Schaft

University of Twente, Enschede, The Netherlands

*For contributions to the theory of nonlinear systems.*

Arjan J. van der Schaft received his undergraduate and Ph.D. degrees in mathematics from the University of Groningen, The Netherlands, in 1979 and 1983, respectively. In 1982, he joined the Faculty of Mathematical Sciences, University of Twente, where he is a full professor in mathematical systems and control theory. His research interests include the mathematical modeling of physical and engineering systems and the control of nonlinear and hybrid systems.

Prof. van der Schaft has served as Associate Editor for *IEEE Transactions on Automatic Control* and the *Journal of Nonlinear Science*. He is Associate Editor for the *SIAM Journal on Control and Optimization*, Associate Editor for *Systems and Control Letters*, and Editor-at-Large for the *European Journal of Control*. He is the author or coauthor of the following books: *System Theoretic Descriptions of Physical Systems* (with P.E. Crouch, 1984); *Variational and Hamiltonian Control Systems* (with H. Nijmeijer, 1987); *Nonlinear Dynamical Control Systems* (1990); *L2-Gain and Passivity Techniques in Nonlinear Control*, second edition (2000); and *An Introduction to Hybrid Dynamical Systems* (with J.M. Schumacher, 2000).



## Wing Shing Wong

Chinese University of Hong Kong, Hong Kong, China

*For contributions to estimation theory of nonlinear systems and application of system theory to communication and information processing problems.*

Wing Shing Wong graduated from Yale University with a combined M.A./B.A. degree in 1976 (summa cum laude). He obtained his M.S. in 1978 and Ph.D. in 1980 from Harvard University. He joined Bell Laboratories in 1982, and from 1987 to 1992, he managed a group working on a number of research and development projects and consulting activities. He joined the Chinese University of Hong Kong in 1992, where he is a professor of information engineering. He has been the Chairman of the Information Engineering Department since 1995.

Prof. Wong's research interests include wireless communication, nonlinear filtering, and search engines. He served as an Associate Editor of *IEEE Transactions on Automatic Control*. He co-founded the journal *Communications in Information and Systems* and is now its co-Editor-in-Chief.



## Gang George Yin

Wayne State University, Detroit, MI, U.S.A.

*For technical, professional, and business leadership in electronic design automation.*

G. George Yin received his B.S. in mathematics (magna cum laude) from the University of Delaware in 1983 and his M.S. in electrical engineering and Ph.D. in applied mathematics, both from Brown University, in 1987. He joined the Department of Mathematics, Wayne State University, where he became a professor in 1996. He has held short-term visiting positions at many institutions.

Prof. Yin's research interests include stochastic systems theory. He has authored or coauthored many research papers. He coauthored the book *Stochastic Approximation Algorithms and Applications* (with Harold J. Kushner) and the book *Continuous-Time Markov Chains and Applications: A Singular Perturbation Approach* (with Qing Zhang), both published by Springer-Verlag. He was also a co-editor of three research volumes and coauthor of a textbook. He was chair of the 1996 AMS-SIAM Summer Seminar in Applied Mathematics, and he has served as an Associate Editor of *IEEE Transactions on Automatic Control*.

