

## SPEAKERS

### **Simay Akar**

*Business Development and Sales Manager  
CSUN Eurasia Energy Systems*

Simay joined IEEE as a student member in 2007 and is currently serving in 2014 as IEEE Day 2014 Team Lead, Region 8 Student Chapter Activities Coordinator, Power & Energy Society (PES) Student Branch Coordinator, MGA WIE (Women in Engineering) and MGA Young Professionals Committee member. She has served in different positions in IEEE Region 8, Turkey, and METU (Middle East Technical University) Student Branch; including Student Branch Coordinator of Region 8, Chairperson of IEEE METU, Twin Student Branch Project Coordinator, and PES Advisor of IEEE Turkey. She has been a youth soft skill trainer since 2008 and has been delivering many soft skills training topics in different International Student Organization events, as well as IEEE Student Branches for several years. Her professional career is in the solar industry as Business Development and Sales Manager at CSUN Eurasia Energy Systems company since 2013.

### **Mario Aleman**

*Intellectual Property Analyst  
MDB Capital Group*

Mario Aleman is an IEEE Senior Member from Nicaragua. He received the B.S degree from Universidad Nacional de Ingenieria and his M.S. degree from Berlin Technical University both in Electronic Engineering. He has research experience in Photovoltaic technology and renewable energy as a visiting research scholar at Massachusetts Institute of Technology, Arizona State University, and Cornell University. Mario serves as IEEE Nicaragua Section Chair and founder of the MakerSpace initiative. As SIGHT Nicaragua founder, Mario leads the implementation of community-based projects in technology in underserved communities working closely with academic institutions. Mario is a VOLT (Volunteer Leadership Training Program) graduate from 2013 with experience developing strategies and generating project ideas to be locally implemented in his section. Mario also serves as a Young Professional YP Chair for CAPANA (Central America and Panama) council in Region 9 and volunteer member for YP leadership and training VP. He is a winner of the IEEE Theodore W. Hissey award, as an outstanding volunteer for the development of young professionals and student activities in Region 9.

### **Wahab Almuhtadi**

*Professor  
Algonquin College*

Dr. Wahab Almuhtadi, P.Eng. is a professor at Algonquin College, Canada. He is an IEEE Senior Member. He is actively involved in IEEE and holds many executive posts. Currently, he is a Member of the IEEE Center for Leadership Excellence Committee, IEEE Canada Conference Advisory Committee Chair, IEEE Canadian Foundation Director, DL Chair and AdCom CESoc Member, ComSoc/CESoc/BTS Ottawa Joint Chapter Chair, PES Ottawa Chapter Chair, Ottawa Section Award Committee Chair, ComSoc Canada Representative and Member of ComSoc North American Board, and Eastern Canada PES Chapters Representative. He served as IEEE Canada-Eastern Area Chair, Ottawa Section Chair, and Member of IEEE MGA IT Coordination and Oversight Committee. He has organized and chaired many national and international engineering conferences, symposia, and workshops (such as ICC 2012, Ottawa). He received several recognition awards from IEEE, academia, and industry (e.g. IEEE MGA Leadership Award 2010, Algonquin College Laurent Isabelle Award 2009 for Teaching Excellence, and NISOD 2006 Award).

### **Sinan Al-Sheikh**

*Senior Architect at Mobile (UAE)  
IBM*

Sinan AlSheikh is an IBM Architect. He filed 2 US patents and published few papers in the area of Human Computer Interaction. AlSheikh earned his M.S. in Informatics from the British University in Dubai and his B.S. in Electrical Engineering from the University of Sharjah. He is now looking forward to pursuing his Ph.D. In addition to AlSheikh's role in IEEEExtreme, he has been an active volunteer

for IEEE since 2004. With a record full of awards, he proudly speaks about his winning among 365 other inventors in a competition called "Made in Arab World." Bungee jumping, skydiving, motorcycle crossing, and any other adrenaline-driven activities are his part-time passion. If you call him an adrenaline junkie, you will find him smiling, and he will take it as a compliment.

### **Loretta Arellano**

*Senior Manager, Product Support  
Raytheon Technical Services Company*

Loretta Arellano received a B.S. in Engineering from UCLA in 1985 and is currently Senior Manager in Product Support at Raytheon Technical Services Company. At Raytheon, she is the supportability team lead on the F/A-18 AESA program. She has also been a representative on Raytheon (and formerly at Hughes) companywide teams whose efforts were to standardize tools, training and processes. On these teams, she helped develop and teach the Introduction to Reliability, Maintainability, Supportability and Safety (RMSS) course. At Hughes, she chaired the Corporate RMSS Committee. She is also a fellow of the Institute for Advancement of Engineering. In terms of IEEE activities, Loretta Arellano was 2012 IEEE-USA Annual Meeting Saturday Program Chair and Sections Congress 2011 Program Committee Chair. She was also both Region 6 Director in 2007/2008 and Region 6 Southern Area Chair in 2001 through 2004.

### **Mazana Armstrong**

*Specialist Engineer  
BC Hydro*

Mazana Armstrong is a Specialist Engineer with BC Hydro. Her responsibilities include electrical aspects of BC Hydro's overhead transmission lines. She holds a degree in Electrical Engineering from the University of Zagreb, and M.A.Sc. and Ph.D. from the University of British Columbia. She is a registered professional engineer in the Province of British Columbia and a member of the Canadian Standards Association and IEEE-SA. Mazana has been an active volunteer with IEEE Vancouver Section for over ten years, in the roles of a chapter chair, section secretary, treasurer, vice-chair, and section chair. Under Mazana's leadership, the Vancouver Section celebrated its 100 year anniversary in 2011, culminating in a reveal of an IEEE monument in 2013. Mazana served as a Communications Chair with PES Chapters for five years. She is the IEEE PES Region 7 representative, representing Region 1-7 PES chapters at the PES Governing Board.

### **Jayant Baliga**

*Distinguished University Professor; Director, Power Semiconductor Research Center (PSRC)  
North Carolina State University, Raleigh*

B. Jayant Baliga is considered the world's preeminent power semiconductor scientist. He is the inventor of the insulated gate bipolar transistor (IGBT) that has improved the comfort and health of billions of people around the world while reducing environmental impact. Baliga's invention of the IGBT in 1979 and subsequent development and commercialization while with General Electric led to the world's most important semiconductor switch. The IGBT has revolutionized power electronics and is used in practically every power control and transmission application. The benefits of IGBTs have impacted automotive electronic ignition systems, compact fluorescent bulbs, adjustable motor drives for air conditioning and home appliances, electric cars, solar inverters, and compact defibrillators. Energy efficiency improvements derived from IGBTs are estimated to have saved consumers more than \$15 trillion dollars while reducing carbon dioxide emissions by more than 78 trillion pounds. Baliga is a Distinguished University Professor at North Carolina State University, Raleigh.

### **Karen Bartleson**

*Senior Director, Corporate Programs and Initiatives  
Synopsys*

Karen Bartleson has 33 years' experience in semiconductors, specifically in electronic design automation (EDA). She is Senior Director of Corporate Programs and Initiatives at Synopsys. Her responsibilities include industry standards, EDA interoperability, higher education, and research institutions. Prior to Synopsys, Karen was CAD manager at United Technologies Microelectronics Center,

responsible for the design system to create high-reliability ASICs. Previously, she was logic analysis manager at Texas Instruments, responsible for TI's logic simulation products. She is 2013-2014 President of the IEEE Standards Association. IEEE-SA produces and maintains globally-recognized standards, developed by 20,000 individuals worldwide. It offers 1,100 active standards and sponsors 500 standards projects under development. Karen has served on numerous committees that create and govern technical standards. In 2012, IEEE-SA, with four Internet standards organizations, announced the "OpenStand" initiative for global, market-driven standards. Karen speaks on this and other standards-related topics at institutions and events around the world.

### **Babak Beheshti**

*Associate Dean and Professor, School of Engineering and Computing Sciences  
New York Institute of Technology*

Babak D. Beheshti is the Associate Dean and Professor of the School of Engineering and Computing Sciences, New York Institute of Technology; where he has served since 1987. Babak's areas of interest include wireless sensor networks, embedded real time systems, wireless and cellular systems, and digital signal processing. Babak has over 20 years of experience in R&D for embedded and wireless technology industry, where he has managed joint R&D programs with many Asian, European, and US companies, including Siemens Mobile, Nokia, Samsung, KDDI and LG. Babak has been an active member of IEEE since 1991, having held positions at section, region, and major board levels. Babak is a recipient of the IEEE Millennium Medal, the IEEE Long Island Section Athanasios Papoulis Outstanding Educator Award, and three IEEE Region 1 Awards, including 2008 IEEE Region 1 Technical Innovation Award "For Providing Technical Leadership in the Development of State-of-the Art Reconfigurable Wireless Technologies."

### **Gilles Betis**

*Action Line Leader, Urban Life and Mobility  
EIT ICT Labs*

Gilles Betis leads the Urban Life and Mobility action line of EIT ICT Labs and chairs the IEEE Smart Cities Initiative. During more than 20 years, Gilles Betis has been involved in Thales in the design of complex systems, first for military systems, then in transportation systems. He has an extensive industrial experience in e-ticketing, road tolling, passenger information, integrated communication and supervision. When joining EIT ICT Labs, he was Smart City and Mobility Solution Leader in Thales Communication and Security. As a product line manager, marketing manager, and solution leader, he has been constantly involved with innovation and product design matters. Through a holistic systemic approach, his goal was always to link up emerging behaviours and societal needs to innovative technological solutions, allowing a smooth adoption by final users. Born in 1963, living in Paris, Gilles Betis is an Engineer graduated in 1987 from Ecole Supérieure d'Electricité in France.

### **Bill Biderman**

### **Nancy Blair de-Leon**

*Senior Program Manager, Product Design  
IEEE*

Nancy Blair-DeLeon has been a member of IEEE's professional staff for 30 years, having joined the institute in 1994. As a Senior Program Manager in Product Design, Nancy manages IEEE's single article sales, document deliver, abstract, and indexing, and author relations businesses for the past 19 years. Prior to joining Product Design, Nancy had also worked with IEEE Standards Board Committees in the Standards Development Department and had spent her earlier career with IEEE in the Educational Activities Department. Nancy has earned her Bachelor of Science in Psychology; she serves on the Board of Directors for the National Federation of Abstract and Indexing Services (NFAIS), is a member on the NFAIS Code of Practice for Discovery Services Task Force, a member of the SIPX Advisory Board. She is also a member of the CCC Publisher Advisory Group and has sat on numerous expert panels at industry recognized conferences and workshops.

### **Gary Blank**

*Professor of Electrical and Computer Engineering*

#### *Engineering Consultant*

Dr. Blank has successfully divided his professional career between industry and academia. After graduating with his Ph.D., he worked in industry in the areas of controls and electronics. He then became a professor of Electrical and Computer Engineering at 4 universities. He started consulting part-time in industry while teaching. He has published dozens of technical papers including the Best Paper and Presentation at the Pan American Congress of Electrical and Mechanical Engineers. He earned several grants for his universities from industrial corporations to support research and product development. He is a full-time consultant and has provided consulting services, technical and management, for over 40 industrial corporate clients. He was recently chosen by the U.S. Department of Energy and I.I.T. to create and conduct courses in renewable energy, smart grid, and electric vehicles. He also teaches controls, electronics, and power. He is the originator and creator of IEEE-USA's first Employment Network. He is responsible for the start-up of 20 IEEE Consultants Networks, both in the USA and overseas, and the IEEE's consultants' database. He has been an invited speaker at every IEEE Sections Congress since 1999. The IEEE-USA membership (200,000+) elected him as their President for 2014. Dr. Blank received his Ph.D. from the University of Wisconsin, Madison, M.S. from the University of Idaho, and B.S. from Illinois Institute of Technology. All degrees are in Electrical Engineering.

#### **Don Bramlett**

*Project Engineer*  
*DTE Energy*

Don received a B.S. in Electrical Engineering and a MBA, in 1973 and 1981 respectively, both from the University of Detroit. Don has spent his entire 41 year professional engineering career in the energy industry, both in the natural gas industry and then in the nuclear power and fossil power generation segments of the electric utility industry. Don has been actively involved as a volunteer with IEEE for over 30 years, including serving as Region 4 Director and on the IEEE Board of Directors in 2009 and 2010. Don had previously served as IEEE Southeastern Michigan Section Treasurer. Don has actively served as the IEEE-USA Secretary Treasurer in 2011 and 2012 and the IEEE MGA Treasurer in 2013 and 2014, and on the IEEE Finance Committee all four of those years. Don has also served as the Finance Chair for 6 IEEE Technical Society and Region conferences.

#### **Holly Schneider Brown**

*Program Manager, Corporate Development*  
*IEEE*

Holly Schneider Brown is Program Manager, Corporate Development, at IEEE, where she supports the Humanitarian Ad Hoc Committee (HAHC) and is the staff lead of the Special Interest Groups on Humanitarian Technology (SIGHT) program. She is the program manager of the Engineering for Change (E4C) Webinar Series and serves on the advisory committee for the Global Humanitarian Technology Conference (GHTC). Holly holds a BA from Vassar College, Poughkeepsie, NY, and an MA from the Freie Universität Berlin, Germany. With over 10 years of professional experience in program and project management, Holly takes great pride in helping to further IEEE's mission of advancing technology for humanity.

#### **Sri Chandra**

*Standards Senior Manager*  
*IEEE*

Sri is currently working as Standards Senior Manager for the past 2 years associated with the IEEE India office with specific focus on standardization activities in India across technology sectors with focus on Smart Grid, Telecom, Cloud Computing, e-Health, Robotics and Standards in Education. Prior to joining IEEE, Sri was associated with Freescale Semiconductor Inc. (formerly Motorola Inc.) for 17+ years, managing a CAD team focused on development of internal tools and methodologies in the area of Electronic Design Automation. As part of Freescale, Sri also has worked extensively in emerging methodologies for system level electro-magnetic compliance for Freescale products. Sri won the "Accellera Technical Excellence Award" in 2009 for his contributions to the Analog Mixed Signal language development standardization efforts and leadership of this technical committee as the chairperson. Sri holds a Bachelor of Science degree in Physics from Madras University, India and a Master of Engineering degree in electrical communication from Indian Institute of Science, Bangalore, India.

### **Deborah Cooper**

*President*

*Cybersecurity Consulting Firm*

Cooper is president of a consulting firm specializing in cybersecurity, and serves on numerous industry and government advisory boards. An active IEEE volunteer leader, her IEEE service includes: IEEE Board Division Director, Membership and Geographic Activities Board, Publications Services and Products Board, Technical Activities Board, and numerous IEEE committees. She was IEEE Computer Society 2006 president, served on many IEEE Computer Society boards, and was guest editor for IEEE Transactions on Software Engineering and IEEE Software, and editorial board member of IEEE Security & Privacy. As a doctoral student, she designed a database management system for all University of California campuses and was awarded a University of California Administrative Fellowship. Her passion is outreach to underrepresented demographic sectors worldwide, balanced with her passion for her work, ballet, and scuba diving. Cooper currently serves on the IEEE Investment Committee, IEEE TAB Nominations & Appointments Committee, and IEEE Women In Engineering Committee.

### **Tom Coughlin**

*President*

*Coughlin Associates*

Thomas M. Coughlin has over 30 years experience in the digital storage industry as an engineer and engineering manager and most recently as a consultant. He started Coughlin Associates in 2000. Coughlin Associates publishes technology and market reports on digital storage and applications and provides various consulting services. Tom has been a long time IEEE volunteer. He was Chair of the Santa Clara Valley Magnetics and Consumer Electronics Societies Chapters, Chair of the SCV Section, and the San Francisco Bay Area Council. He was Chair for the Region 6 Central Area and is currently Director Elect for Region 6. He has been a member of the Board of Governors for the IEEE CE Society (2007-2012) and again starting in 2014. He was CES VP of Operations and Planning from 2010-2012. He is a member of the IEEE Future Directions Committee, the Public Visibility Committee, and the Adhoc Infrastructure Committee.

### **Richard Cox**

*Director, Human Language Technology Center of Excellence; Research Professor, ECE Department*

*Johns Hopkins University*

Richard Cox is Director of the Johns Hopkins University Human Language Technology Center of Excellence and Research Professor in the ECE Department. He spent 29 years with Bell Labs and AT&T Labs, serving as Research Vice President IP & Voice Services for eight years. He is a longtime IEEE volunteer, having served as President of the Signal Processing Society, Division IX Director on the IEEE Board of Directors, and on numerous committees for Technical Activities, Member and Geographic Activities, and the Awards Board. In 2012-2013, he co-chaired a TAB ad hoc committee on "Increasing Technical Activities Attractiveness to Industrial Members." This included identifying success factors of high vitality Technical Chapters that attract large numbers of industrial members. Dr. Cox is an IEEE Life Fellow and a recipient of the IEEE Third Millennium Medal and the AT&T Technology Medal. He received a Ph.D in EE from Princeton University.

### **Joe Cruz**

*Retired, Dean of Engineering*

*Ohio State University*

Jose B. Cruz, Jr. received the BS degree (summa cum laude) from the University of the Philippines, MS degree from the Massachusetts Institute of Technology, and PhD degree from the University of Illinois. He was Dean of Engineering at the Ohio State University, Chair of ECE at the University of California Irvine, and Associate Head of ECE at the University of Illinois. Dr. Cruz is a Life Fellow of IEEE, a Fellow AAAS, ASEE, and IFAC. He received the AACC Richard E. Bellman Control Heritage Award and the IEEE James H. Mulligan, Jr. Education Medal. He is a Member of the US National Academy of Engineering, and a Member of the National Academy of Science and Technology of the Philippines. Dr. Cruz served as IEEE Vice President for Technical Activities, and IEEE Vice President for Publication Activities. Dr. Cruz is the Chair of the IEEE Life Members Committee.



### **John Dahl**

*Senior Director, Global Sales and Customer Operations*  
IEEE

Jonathan Dahl is the Senior Director of Global Sales and Customer Operations at IEEE. He is responsible for \$200+ million in IEEE intellectual property sales in the academic, corporate, and government markets worldwide. Additionally, he is responsible for licensing products and the customer operations that support his sales team and their customers. Prior to beginning his career at the IEEE in 1990, Jonathan Dahl gained experience in the publishing industry while working for McGraw-Hill, Prentice-Hall, and other educational publishers.

### **John Day**

*Director, Member Products and Programs*  
IEEE

John Day is a Senior IEEE Member, and serves as MGA's Director of Member Products and Programs. His responsibility includes directing member product portfolio management, online products, and program management for students, young professionals, and women in engineering. Since joining the MGA staff, John has directed the launch of several products, including myIEEE, memberNet, IEEE.tv, and GoogleApps@IEEE, and is now actively involved with the development and launch of IEEE's professional productivity and collaboration suite of tools. Prior to his present position in MGA, John served as the Director of Membership Development. John joined IEEE's professional staff in 1999, as a product manager in the IEEE Standards Association. A business transformation strategist with 20 years experience in marketing, product development, and information systems, John is experienced in both the private-sector and not-for-profits. John's passion lies in developing and executing agile and integrated business strategies, specializing in start-ups.

### **Carl Debono**

*Deputy Dean, Faculty of Information and Communication Technology; Associate Professor, Communications and Computer Engineering*  
University of Malta

Carl James Debono (PhD) is the Deputy Dean of the Faculty of Information and Communication Technology and an Associate Professor with the Department of Communications and Computer Engineering at the University of Malta. Prof. Debono was the founder of the IEEE Malta Section and has served as its chair and vice-chair between 2007-2010 and 2011-2012, respectively. He was the IEEE Region 8 Conference Coordinator between 2011-2012 and is currently the Region's Vice-Chair for Technical Activities. He also serves as MGA liaison to the IEEE Conferences Committee. Prof. Debono's research interests are in RF and microwave systems, modeling of communication systems, multi-view video coding, and resilient multimedia transmission. He co-authored over 100 peer-reviewed publications in journals, conferences, and book chapters. He formed part of the organizing committee of regional and international conferences and served on the technical committee of a number of conferences.

### **Lyle Feisel**

*Dean Emeritus (retired)*  
Watson School of Engineering at SUNY-Binghamton

Lyle D. Feisel is First Vice President and Vice President for Development of the IEEE Foundation and a member of the Foundation Grants Committee. He has been a member of the IEEE Board of Directors and served as IEEE Vice President for Education and is currently a member of the IEEE History Committee. He is Dean Emeritus (retired) of the Watson School of Engineering at SUNY-Binghamton, where he was dean from 1983 to 2001. Following service in the U.S. Navy, he received degrees in EE from Iowa State University. From 1964 to 1983, Dr. Feisel was a member of the faculty of the SD School of Mines and Technology and in 1969-70 was a Visiting Professor at Cheng Kung University in Taiwan. He has had industrial experience and has consulted extensively. Dr. Feisel is a Fellow of IEEE, ASEE and NSPE and is a registered professional engineer (ret).

### **Hal Flescher**

*Consultant*

Harold Flescher, an IEEE Fellow, has served in numerous IEEE volunteer positions, including IEEE Treasurer, Vice President-Technical Activities, and Treasurer-Technical Activities. He is a Past President of IEEE Nuclear & Plasma Sciences Society (NPSS) and currently serves as NPSS Finance Committee Chair. Mr. Flescher received the 2009 IEEE Richard M. Emberson Medal "for Distinguished Service to the Technical Objectives of the IEEE" and the IEEE Nuclear & Plasma Sciences Society Richard F. Shea Distinguished Member Award in 1997. In 2009, he began the process of developing what became the IEEE Technology Navigator. It originally was intended to be a Technical Activities discovery tool, but after a couple of years of development, it became clear that users should be able to find all IEEE technical material from all OUs. In his current consulting career, he provides intervention for companies who have large, high value, tightly scheduled projects with complex engineering content.

### **Ralph Ford**

*Director, School of Engineering; Associate Dean for Industry and External Relations  
Penn State Erie, The Behrend College*

Dr. Ralph Ford is Director of the School of Engineering and Associate Dean for Industry and External relations at Penn State Erie, The Behrend College. He is the chief officer of the School of Engineering with oversight of its six departments and 10 academic programs, the school's research and outreach centers, and over 70 faculty and staff. As Penn State Behrend's associate dean, he is responsible for the college's Open Lab strategy and for developing strategic partnerships with external constituencies. He oversees the development and management of Knowledge Park, the college's 100-acre technology park that houses 18 companies on campus with over 500 employees. He is currently the IEEE 2014 Vice President of Member and Geographic Activities and a member of the IEEE Board of Directors. Prior to joining Penn State, Dr. Ford worked at IBM Microelectronics developing computer vision systems for semi-conductor inspection and at Brookhaven National Laboratory on the strategic defense initiative. He obtained his B.S. degree from Clarkson University, and the M.S. and Ph.D. from the University of Arizona.

### **Roger Fujii**

*President  
Fujii Systems Inc.*

Roger Fujii is the IEEE Division VIII Director. As an IEEE Computer Society volunteer, he served in many capacities including conference contributing author and program chair, Computer magazine guest editor, standards development, international standards development, press operations, Strategic Plan development, educational program planning, awards committee, and Fellows selection. As President of Fujii Systems Inc., he provides executive management and strategic solutions to corporations. He lectured at Sacramento State University, UCLA, and Defense Management College. Previously as Vice President (retired) at Northrop Grumman, he managed a division responsible for \$1.07B in revenue developing network communication systems (F35/F22). He is an IEEE Fellow, Gold Core member, and graduate of University of California, Berkeley (BS/MS Electrical Engineer). He has MBA certifications from Harvard, UCLA, and Darden. He served on the National Academy of Sciences Council examining NASA Space Shuttle Processes.

### **Marguerite Gargiula**

*Project Manager, Information Management, MGA  
IEEE*

Marguerite Gargiula joined IEEE in 2012 as the MGA Information Management Project Manager for vTools. She holds a B.S. in Computer Science. Her professional background covers the areas of technical support, quality assurance, systems and business analysis. Marguerite has over 25 years of experience in supporting systems development within the telecommunications and transportation industries supporting marketing initiatives.

### **Margie Goodwin**

*Senior Manager, Business Technology Solutions  
IEEE*

Margie Goodwin, IEEE Senior Manager, Business Technology Solutions, manages the Program Office for the ICX Application, as well as other technology programs for the Meetings, Conferences and Events group in Technical Activities. Prior to joining IEEE, she worked in

the technology field for over 20 years with her main area of focus being Quality Assurance Testing. During this time, she worked mostly in the financial services industry, managing Quality Assurance departments, staff, and applications for UBS, First Data, and Morgan Stanley/Smith Barney. In addition to finance, Margie managed Quality Assurance organizations in publishing and middle-ware technologies for a wireless communications provider. She has built two Quality Assurance departments from the ground up and restructured another to streamline operations to ensure a strong customer focus. Margie's education includes The Chubb Institute for Computer Programming, Devry University for Technical Program Management, and the SOA School for Training and Certification.

### **Scott Grayson**

*Associate Managing Director, IEEE-USA*

IEEE

As IEEE-USA's associate managing director, Grayson is responsible for programs relating to employment, careers, and professional activities. These include the Salary Service and Calculator, Consultants Networks and online Directory, Entrepreneurial Activities, career Webinars, E-books, and social media. Grayson joined IEEE-USA in 1990 and was previously responsible for state and federal legislative programs in areas of career policy, high technology, internet policy, and intellectual property. He built a number of coalitions focused on technology and the law and also served as IEEE-USA's liaison to numerous scientific, engineering, and legal organizations. Grayson took a one-year hiatus from IEEE-USA in 1998 to serve as executive director of an organization that linked the high-tech business communities of the Upper Midwest and Israel. He holds a bachelor of arts degree in political science from the University of Wisconsin and a master's in Latin American & Caribbean Studies from New York University.

### **Lloyd Green**

*Marketing Director, IEEE Conformity Assessment Program (ICAP)*

IEEE

Lloyd Green is Marketing Director for the IEEE Conformity Assessment Program (ICAP). In this role, Lloyd is responsible for promoting, developing, and supporting conformity assessment activities based on IEEE standards. He brings a wealth of technology related experience in the areas of strategic marketing, corporate communications, market intelligence, business development, and product marketing. Previously, Lloyd was Director of Marketing and Customer Support at Juniper Networks where he was responsible for Juniper's line of highly accurate end-to-end timing and synchronization solutions, which addressed the Mobile Backhaul and Femto market. Prior to Juniper Networks, Lloyd held technical, marketing, and business development roles at Altamar Networks, Network Equipment Technologies (N.E.T), and British Telecom International (BTI). Lloyd holds a B.S. in Telecommunications from the South East London Technical College.

### **Madhu Gupta**

*Professor of Electrical & Computer Engineering*

*University of California, San Diego; San Diego State University*

Dr. Madhu S. Gupta is presently a Professor of Electrical & Computer Engineering at University of California, San Diego and at San Diego State University, where he holds the RF Communications Systems Industry Chair and also serves as the Director of the Communication Systems and Signal Processing Institute. Dr. Gupta has served as the President of the IEEE Microwave Theory & Techniques Society, the Editor-in-Chief of two IEEE journals, as the Technical program Committee Chair of International Microwave Symposium, and as Chapter Chair for IEEE MTT Society chapters in Boston and Chicago. Dr. Gupta has received the 2008 Distinguished Microwave Educator Award from IEEE Microwave Theory & Techniques Society, as well as numerous other awards for excellence in teaching, and is well known as an entertaining, enlightening, and inspiring speaker.

### **Rajnish Gupta**

*Deputy Director, School of Electrical & Electronic Engineering*

*Singapore Polytechnic*

Rajnish Gupta obtained his B.E (Hons) degree in India and M.Sc. and Ph.D. degrees in Canada. Dr. Gupta served as a member of the Executive Committee of the IEEE Power Engineering Chapter, Singapore Section, in various capacities such as secretary, treasurer, vice



chair, and chair between 1996 and 2007. In 2007, he joined the IEEE Singapore Section as secretary and later served as treasurer and vice chair. Dr Gupta is currently the Chair of the IEEE Singapore Section. Dr Gupta also served in many IEEE Conferences in various positions. Dr. Gupta received the Teaching Excellence Award at Singapore Polytechnic in 2002, the Outstanding Power Engineer of the Year Award from Power Engineering Chapter, IEEE Singapore in 2006, and Singapore National Day Award (Commendation Medal) in 2007. Dr. Gupta is currently a Deputy Director in the School of Electrical & Electronic Engineering at Singapore Polytechnic, Singapore.

### **Jeffry Handal**

*Manager, Network Engineering and Architecture  
Louisiana State University*

Jeffry Handal is the Manager of the Network Engineering and Architecture group at Louisiana State University. He received a B.S. in Electrical Engineering graduating Summa Cum Laude in 2003 from LSU, and completed graduate school studies working on a NASA flight safety program. In 2005, he graduated with an M.S. in Electrical Engineering, concentrating on Systems Engineering, from LSU. He passed the Professional Engineering exam for Louisiana in 2008. Jeffry became a volunteer with IEEE in 2006 and has since served in many roles, including Student Liaison and PACE Coordinator. In 2007, he accepted the role of GOLD Coordinator for IEEE Region 5. In 2010, he worked in K-12 children as part of the Pre-university Committee and was IEEE Region 5 representative to the Employment and Career Services Committee. In 2012, he became the Standards Coordinator for Region 5, and in 2013, he became a member of the IEEE Standards Education Committee.

### **Bob Hebner**

*Director, Center for Electromechanics  
University of Texas*

Bob Hebner, the 2013 IEEE vice president for Technical Activities, is the Director of the Center for Electromechanics at the University of Texas at Austin. His personal research focuses on smart grid technologies, microgrids, renewable energy, and energy storage. Dr. Hebner has had extensive experience in technical collaborations being former chair of the Board of the Center for Transportation and the Environment and chair of the Electric Ship Research and Development Consortium. He has also served on the Board of Directors of IEEE. Before joining the University of Texas, he spent many years at the U. S. National Institute of Standards and Technology (NIST), culminating his time there as acting Director. Throughout his career, Dr. Hebner has been active technically, having received a Ph.D. in physics and having authored or coauthored more than 150 technical papers and reports. He is a life fellow of IEEE.

### **Ning Hua**

*Senior Director, Asia Operations  
IEEE*

Ning is the Senior Director of IEEE Asia Operations. In his current role, Ning works closely with IEEE business units and the Asia offices to plan, organize, and manage IEEE activities; expand IEEE's visibility, influence, and impact; develop and foster direct and ongoing relationships and exchanges with government, industry, and academic organizations; identify and develop new opportunities; and promote IEEE products and services throughout Asia. In addition to employees in Beijing, where Ning is based, reporting to Ning are IEEE staff in the Tokyo Office, Bangalore Office, and the Director of Asia Business Development in Singapore. Ning joined IEEE as Director of China Operations in 2006.

### **Donna Hudson**

*Director, Academic Research and Technology; Professor, Joint Graduate Group in Bioengineering  
University of California, San Francisco; UCSF-UC Berkeley*

Donna Hudson (M'81-SM'94-F'01) received her PhD from UCLA School of Engineering and Applied Science (1981) and has been on the Faculty at University of California since then. She is Director of Academic Research and Technology at University of California, San Francisco (UCSF), Professor of Clinical and Translational Informatics at UCSF, and Professor in the Joint Graduate Group in Bioengineering, UC Berkeley/UCSF. Early in her career, she was employed by Boeing. She is a past-president of the International Society for Computers and Their Applications and former Vice-President of the World Academy of Biotechnology. Dr. Hudson has over

250 refereed publications in computer-assisted medical decision-making, biomedical signal analysis, neural network modeling, telemedicine for home healthcare, and complex analysis of biomedical data applied to cardiology, neurology, and cancer diagnosis and prognosis, and has authored two books. She is an IEEE Fellow and Fellow of the American Institute for Medical and Biological Engineering (AIMBE).

### **James Irvine**

*Reader, Department of Electronic and Electrical Engineering  
University of Strathclyde*

Dr. James Irvine is a Reader in the Department of Electronic and Electrical Engineering at the University of Strathclyde in Glasgow, working on resource management and security for wireless communication systems. For much of the past 15 years, he acted as an Academic Co-ordinator for research programmes in the Mobile VCE consortium of universities, operators and manufacturers, including 'Software Based Systems', the 'Personal Distributed Environment', and 'Instant Knowledge' - secure context-aware networks. He is Vice-Chair of the User Needs and Requirements Working Group of the Wireless World Research Forum, was TPC chair of IEEE VTC2004-Spring in Milan, and is General Co-chair of IEEE VTC2015-Spring in Glasgow. Dr Irvine is a co-author of 3 books, 7 patents, and over 120 research papers.

Dr Irvine is an active volunteer in IEEE, currently chairing the Standards Education Committee and Conference Publications Committee, and well as being Vice-President for Publications of the IEEE Vehicular Technology Society. A Board member since 2002, he was VTS President 2008-9, and was a member of EAB chairing the web portals Editorial Board and then Strategy Committee 2010-3. Founding Editor in Chief of the IEEE Vehicular Technology magazine, he currently chairs the VTS Technical Advisory Committee, which assists the technical programme committees of conferences the Society sponsors.

### **Laura Jacob**

*Software Engineer  
Palantir Technologies*

Laura Jacob is President of IEEE's Society on Social Implications of Technology. As a volunteer with the Society, she began SSIT's facebook group and blog. She is a Software Engineer for Palantir Technologies in Palo Alto, California. She holds a Bachelor's degree from Pace University in Computer Science. She is interested in the ways that technology are shaping our society and culture.

### **Leah Jamieson**

*Dean of Engineering  
Purdue University*

Leah Jamieson is John A. Edwardson Dean of Engineering at Purdue University and Ransburg Distinguished Professor of Electrical and Computer Engineering. She is co-founder of the EPICS – Engineering Projects in Community Service – program, which pioneered the integration of engineering education with community service. Jamieson served as 1998-99 IEEE Signal Processing Society President, 2003 Vice President for Technical Activities, 2005 Vice President for Publication Services and Products, and 2007 IEEE President and CEO. She has been IEEE Foundation President since 2012. Jamieson's recognitions include the U.S. National Academy of Engineering's Gordon Prize for Innovation in Engineering and Technology Education, the National Science Foundation's Director's Award for Distinguished Teaching Scholars, the Anita Borg Institute's Women of Vision Award for Social Impact, the IEEE Richard M. Emberson Award, IEEE Third Millennium Medal, and IEEE Education Society's Outstanding Woman Engineering Educator Award. She is a member of the U.S. National Academy of Engineering, the American Academy of Arts & Sciences, and a Fellow of IEEE. Jamieson received her S.B. from MIT and her PhD from Princeton.

### **Elya Joffe**

*VP for Engineering; Aviation & Aerospace Consultant  
KTM Project Engineering*

Mr. Joffe is a Senior Member of IEEE, Past President of the IEEE EMC and Product Safety Engineering Societies, and VP for Conferences of the Society for Social Implications of Technology (SSIT). Mr. Joffe served as a "Distinguished Lecturer" of the EMC Society and now

serves as a "Distinguished Lecturer" for the Consumer Electronics Society. Mr. Joffe received multiple awards from IEEE and the EMC Society for his activities. In particular, the IEEE EMCS "Laurence G. Cumming Award for Outstanding Service" and the very prestigious "2006 IEEE RAB Larry K. Wilson Transnational Award." Mr. Joffe is a member of the IEEE Eta-Kappa-Nu (IEEE-HKN) and the "dB Society" honor societies.

### **Joe Kalasky**

*Adjunct Instructor, Electrical Engineering  
Penn State, Fayette*

Joseph A. Kalasky P.E. is the 2014 Chair of the IEEE Ethics and Member Conduct Committee. Earlier on the EMCC, he successfully prosecuted a member for misconduct. He is a past member of the IEEE Board of Directors. While on the MGA (then RAB) Board, he created the RAB Industry Relations Committee. He is a past Chair of Region 2 and the Pittsburgh Section. He founded the SSIT Chapter in the Pittsburgh Section. He had a 39 year career at Allegheny Energy (now First Energy) where he served in various management and staff positions. He was a founding and Charter Member of the Edison Electric Institute PCB Committee which interacted with the US EPA on Polychlorinated Biphenyls issues. He is currently an Adjunct Instructor in Electrical Engineering at the Fayette Campus of Penn State. Kalasky has a BSEE from Penn State and an MSIE from the University of Pittsburgh.

### **Moshe Kam**

*Department Head and Robert Quinn Professor, Electrical and Computer Engineering Department  
Drexel University*

Moshe Kam will become Dean of the Newark College of Engineering at New Jersey Institute of Technology in September 2014. Currently he serves as the Robert Quinn Professor and Department Head of Electrical and Computer Engineering at Drexel University, where he taught and conducted research since 1983. Kam has guided 25 Drexel students to a Ph.D. degree and more than 60 to a Master of Science degree. His research interests include detection and estimation, data fusion, robotics and navigation, and engineering education. Kam is a former President and CEO of IEEE, and member of the Boards of Directors of ABET and the United Engineering Foundation (UEF). Educated at Tel Aviv University (B.Sc., 1976) and Drexel University (M.S., 1985; Ph.D., 1987), Kam is a Fellow of IEEE "for contributions to the theory of decision fusion and distributed detection" (2001). He is a Licensed Professional Engineer registered in the State of Pennsylvania.

### **David Kemp**

*Owner; Telecommunications Consultant  
Spectri*

Dave received his diploma in Electronics Engineering Technology from the Manitoba Institute of Technology, and a certificate in Industrial Management and Administration from the Canadian Institute of Management, University of Manitoba. He is a Fellow of The Engineering Institute of Canada (FEIC). His industrial experience encompasses 35 years with a major Canadian telco prior to establishing Spectri, a risk and project management consultancy. He has served as IEEE Region 7 Director, President IEEE Canada, and IEEE Secretary. Dave is presently on the IEEE Life Members Committee as Regional Coordinator, Vice-President Grants for the IEEE Canadian Foundation; Chairs the Region 7 History Committee, and serves on both the IEEE MGA Member Benefits Portfolio Advisory Committee and IEEE History Committee. Dave is proud to have led the establishment of IEEE Young Professionals (formerly GOLD) as well chairing the IEEE Branding project.

### **Peter Kennedy**

*Professor of Microelectronic Engineering  
University College Cork*

Michael Peter Kennedy has been Professor of Microelectronic Engineering at University College Cork since 2000. He has over 340 research publications in the fields of oscillator design, hysteresis, neural networks, nonlinear dynamics, chaos communication, mixed-signal test, and frequency synthesis. He was made a Fellow of IEEE in 1998 for contributions to the theory of neural networks and nonlinear dynamics and for leadership in nonlinear circuits research and education. From 2005 to 2007, he was President of the

European Circuits Society and Vice-President of the IEEE Circuits and Systems Society. He was a CASS Distinguished Lecturer in 2012-13. He has worked as a consultant for SMEs and multinationals in the microelectronics industry and is founding Director of the Microelectronics Industry Design Association (MIDAS Ireland) and the Microelectronics Competence Centre of Ireland (MCCI). The Ireland Chapter which he chairs received the IEEE Solid-State Circuits Society Chapter of the Year Award 2010.

### **Eugene Khusid**

*Member User Interface Requirements Manager*  
IEEE

Eugene Khusid is an Information Management manager working on technical projects in the Membership and Geographic Activities department at IEEE. Some of the projects Eugene was involved on include Professional Collaboration, Auto Renewal of Memberships and Subscriptions, GoogleApps@IEEE, vTools, and WebEx@IEEE. Prior to joining IEEE in 2007, Eugene worked as a programmer and a project lead for a variety of organizations including a university, a start-up, and a consulting company. He holds a Master's degree in Software Engineering from KSU. In his spare time, Eugene enjoys spending time with his wife and three kids.

### **Bruce Kraemer**

*Senior Manager, Strategy and Standards*  
Marvell Semiconductor

Bruce Kraemer has been participating in IEEE activities since 1996. Within IEEE, he recently completed 6 years serving as 802.11 chair. Additionally within the IEEE Standards Association, he has been a member of RevCom, AudCom, and the Board of Governors. Currently, he holds the position of President-Elect of the Standards Association and will commence service as President during the years 2015 and 2016, during which he will chair the Standards Association Board of Governors. He participates in various standards development organizations such as ETSI BRAN, ITU-R, and ISO/JTC1, in industry groups such as NIST/Smart Grid Interoperability Panel, Open SG, Bluetooth and the Wi-Fi Alliance. He currently serves as Senior Manager of Strategy and Standards for Marvell Semiconductor and has been involved in communications product development for wired and wireless systems. He holds a BS degree in Chemistry from MIT and a Masters in Management Science from Worcester Polytech.

### **Kartik Kulkarni**

*Data Technology*  
Oracle

Kartik chairs the IEEE Special Interest Groups on Humanitarian Technology (SIGHT) Steering Committee and sits on the IEEE AdHoc Committee on Humanitarian Activities. He co-founded the All IEEE-R10 Young Engineers' Humanitarian Challenge in 2009 and scaled the initiative to Asia-Pacific level. Kartik is a recipient of IEEE MGA GOLD Achievement award in 2011. In 2009, Kartik led his team winning IEEE Presidents' Change the World Competition for the project – Electronic Aids for physically and mentally challenged children. He is also the recipient of Tata Consultancy Services Gold Medal for Best Student. Kartik believes that IEEE, being the community of 400,000+ Engineers in 160+ countries, can be potentially a strong global taskforce of volunteers committed to championing technology solutions for development and solving community problems. This taskforce if oriented and channeled could produce local community leaders in important efforts such as activism, awareness, advocacy, and deployment of technology based solutions.

### **Rakesh Kumar**

*President and CEO*  
TCX Technology Connexions

Dr. Rakesh Kumar is Past President (2012-13) of the IEEE Solid-State Circuits Society. His global outreach efforts increased Society Memberships and resulted in a 15% growth in SSCS Chapters. As President and CEO of TCX Technology Connexions he provides management, business, and technical 'bridging the gaps' consulting services in advanced semiconductor technology and virtual operations areas. Clients include emerging fabless IC companies, mid-size and large, Fortune 500 IC companies, and leading research organizations. He currently serves as a Business and Technology Advisor at University of California San Diego's Entrepreneurism

Center. Dr. Kumar authored the book “Fabless Semiconductor Implementation,” published by McGraw Hill. He is an IEEE Life Fellow and active volunteer since the late 1980s. During his 40 years career in the semiconductor industry, Dr. Kumar has also been the VP&GM of Cadence Design’s worldwide Silicon Technology Services business unit, and has held various technical and management positions at Unisys and Motorola.

### **Victor Larios**

*Professor Researcher, Department of Information Systems; Director, Smart Cities Innovation Center at CUCEA University of Guadalajara*

Victor M. Larios received his PhD and a DEA (French version of a MS program) in Computer Science at the Technological University of Compiègne, France, and a BA in Electronics Engineering at the ITESO University in Guadalajara, Mexico. He works at the University of Guadalajara (UDG) holding a Full Professor-Researcher position at the Department of Information Systems and he is the director of the Smart Cities Innovation Center at CUCEA UDG Campus. Dr. Larios is the founder of the UDG PhD in Information Technologies in 2007, and has been leading projects in Guadalajara between academy, government, and high tech industry as IBM, Intel, and HP, focusing his research to distributed systems, parallel computing, data analytics and visualization, serious games, and smart cities. During, Dr. Larios was a consultor and elected the Director of Science and Technology for the Guadalajara Ciudad Creativa Digital A.C. project. Since July 2013, Dr. Larios as volunteer, is the Guadalajara City Local Leader for the IEEE Smart Cities Initiative. In addition, Dr. Larios is an IEEE Senior Member with a valued membership of 22 years and as is the current secretary of the IEEE Computer Chapter of the Guadalajara Section.

### **Nicholas Lehotzky**

*Member Benefits Marketing Manager  
IEEE*

Nick Lehotzky is the Member Benefits Marketing Manager at IEEE with the Member and Geographic Activities department, where his focus is on the retention and recruitment of members through benefit awareness and utilization. Mr. Lehotzky has received accolades for “Outstanding service to the 2010 IEEE Computer Society’s Membership Growth” and “Significant contribution to making IEEE Xtreme 2009 a success.” Additional key projects include the launch of GoogleApps@IEEE, opt-in changes to memberNet, and ongoing marketing of IEEE Xtreme.

### **Norberto Leredegui**

*Dean, School of Engineering and Technology; Director, Mechatronics Center  
Instituto Tecnológico de Buenos Aires*

Norberto M. Leredegui is the Dean of the School of Engineering and Technology and Director of the Mechatronics Center at the Instituto Tecnológico de Buenos Aires, Argentina. He is also member of the Board of Directors of COPITEC (Professional Council of Telecommunication, Electronics and Computer Engineering). Leredegui has 22 years of continuous professional activity in the biomedical engineering industry, where he developed 22 medical devices that were marketed worldwide. He also has 29 years of university academic activity as professor and director of undergraduate and graduate courses/programs. Leredegui is currently Regional Director of the IEEE Region 9 and member of the Spectrum magazine Advisory Board. He was chair, vice chair, and treasurer of the IEEE Argentina Section, cofounder and first chair of the IEEE-EMBS Argentine Chapter, and held other positions. He received an electromechanical engineering degree from Buenos Aires University and a Master’s degree in electronic engineering (with honors) in the Netherlands.

### **Michael Lightner**

*Professor and Chair, Electrical, Computer and Energy Engineering  
University of Colorado, Boulder*

Michael Lightner received his PhD from Carnegie Mellon, BS (highest honors) and MS from University of Florida. He is currently Professor and Chair of Electrical, Computer, and Energy Engineering at the University of Colorado, Boulder. He is Co-Director of the Rehabilitation Engineering Research Center for Advancing Cognitive Technologies. He conducts research in assistive cognitive



technologies and has worked in EDA including, simulation, synthesis, test, verification and optimization, as well as signal processing. He received the IEEE CASS Golden Jubilee Medal and IEEE Third Millennium Medal in 2000. He received the College of Engineering Max Peters Award for Outstanding Service in 1997, the inaugural John and Mercedes Peebles Innovation in Teaching Award in 1996, the College of Engineering Hutchinson Award for Outstanding Teaching in the College in 1995, and the Distinguished Service Award from IEEE for Serving as Editor of IEEE Transactions on Computer-aided Design.

### **Leo Ligthart**

*Emeritus Professor  
Delft University*

Leo Ligthart was born in Rotterdam, the Netherlands, on September 15, 1946. He received an Engineer's degree (cum laude) and a Doctor of Technology degree from Delft University of Technology. He is Fellow of IET and IEEE and academician of the Russian Academy of Transport.

He received Honorary Doctorates at MSTUCA in Moscow, Tomsk State University and MTA Romania.

Since 1988, he held a chair at Delft University of Technology. He supervised over 50 PhD's.

He founded IRCTR at Delft University. He is founding member of the EuMA, chaired the first EuMW and initiated EuRAD conference. Currently he is emeritus professor of Delft University, guest professor at Universities in Indonesia and Japan, Chairman of CONASENSE, Member BoG IEEE-AESS. His areas of specialization include antennas and propagation, radar and remote sensing, satellite, mobile and radio communications. He has published over 650 papers, various book chapters, and 2 books.

### **Blake Lloyd**

*Director, Product Development  
Iris Power*

Since co-founding Iris Power in 1990, Blake has been one of the principle architects of Iris's line of diagnostic test instrumentation and analysis software. Mr. Lloyd has two US patents, and has published 20 refereed papers in IEEE and CIGRE, as well as over 50 conference papers. He has been a Senior Member of IEEE since 1985, and is currently serving as President of the IEEE Industry Application Society. He has also served as 2008-2009 Chair IEEE/iAS Electronic Communications, 2006-2007 Chair IEEE/iAS Pulp and Paper Technical Committee, 2002-2003 Canadian Expert – IEC Technical Committee 2: Rotating Machines, WG 26, and 1992-1994 Committee Member – IEEE/PES Hydro-generator Subcommittee. He was also 2010 Meritorious Engineering Award Winner of IEEE/iAS Pulp and Paper Technical Committee.

### **Maïke Luiken**

*Director, Bluewater Technology Access Centre  
Lambton College*

Maïke Luiken, Ph.D., FEIC, SMIEEE, is Director of Bluewater Technology Access Centre, following six years as Dean, Applied Research and Sustainable Development and two years as Dean, Technology. She spearheaded the establishment of multimillion dollar research programs in technology at Lambton College.

Prior, she was Vice-President Research Alliances, National Capital Institute of Telecommunications, Ottawa. Maïke founded/led the Ottawa Photonics Research Alliance, and co-founded the Ottawa Wireless Research Alliance, linking industry, academia, and government.

Maïke has served on numerous Boards/Committees: Sarnia/Lambton Workforce Development Board; Rotary Club, Bluewater Sustainability Initiative (Managing Director); SOBIN; Sarnia/Lambton Chamber of Commerce, UVS Canada, IEEE Canada.

Maïke has been an active IEEE volunteer for 15 years (SB: Counselor, Mentor; Section: Treasurer, Chair; R7 SAC; EPEC Conference Chair ...). She organized/co-organized over 100 events – most linking the academic community, students, industry, and the public.

Education: Staatsexamen, Mathematics, Physics, Technical University, Braunschweig, Germany (1979) and Ph.D., Physics, University of Waterloo (1982)

### **Khanh Luu**

*Information Management Analyst*

IEEE

Khanh Luu is an Information Management Analyst at IEEE since 2000. He manages the web hosting and the eNotice service and helps support other IEEE electronic services.

### **Jill Madison**

### **Francisco Martinez**

CEO

*Sistemas Azteca S.A.*

Francisco R. Martinez is the CEO of Sistemas Azteca S.A. a company he founded in 1994 in Guadalajara, Mexico dedicated to integrating automatic data systems based on barcode and RF technology (hardware/software).

He is a system integration consultant for electronics manufacturing companies.

He received the B.S.E.E. degree from the University of Guadalajara (1982) and had a Managing Diploma from ITESO University in 2008.

His career includes experience as practicing engineer and designer in the electro-medical industry and plant manager for the plastics industry. He has been a professor in the University of Guadalajara and ITESO University.

He is Senior Member of the IEEE, Region 9 Director 2004-2005, and currently, member of IEEE Governance Committee, MGA liaison to TAB, MGA ITCO Committee member, R9 History chair, and leader of the Guadalajara, Mexico coordinating team for IEEE Smart Cities pilot.

Francisco is also a member of the Computer Society, Systems Man and Cybernetics, and Society on Social Implications of Technology.

### **Terence Martinez**

*Product Manager, Member Products and Programs*

IEEE

Terence Martinez works as the Product Manager in MGA for myIEEE and IEEEtv. He also serves as product owner for the Communities and Networking areas within the PPCT project.

### **Karen McCabe**

*Senior Director, Collaboration and Consensus Community, IEEE Standards Association*

IEEE

Karen McCabe is a global standards professional with over 20 years experience working in technology collaboration and consensus-building ecosystems. She builds successful global standards marketing and digital communications programs, builds and drives community engagement strategies and programs, and is engaged in global technology governance activities, including those related to ITU and OECD ITAC. Currently the Senior Director of Community at the IEEE Standards Association, she provides executive leadership to the complex combination and intersection of people, processes, and tools/technology used to deliver superior service and support to the standards, collaboration and consensus building community of IEEE.

### **Rory McCorkle**

*Product Manager, Global Career Resources*

IEEE

Rory serves as the Product Manager for Global Career Resources at IEEE. In this role, he manages a portfolio of career products and services, while collaborating with IEEE staff and volunteers around the globe.

Previously, Rory worked as a Product Manager of Credentials at PMI, where he managed the PMP credential, the most recognized project management credential in the world with over half a million credential holders in 182 countries. He also worked at Prometric, providing exam development and program design consulting to credentialing organizations.

In addition, Rory is an adjunct faculty member at St. Joseph's University in Philadelphia.

Rory received a Ph.D. in Organizational Leadership from The Chicago School of Professional Psychology. He graduated with an MBA from Drexel University and a Bachelor's in Psychology from Millersville University. He holds the Certified Association Executive (CAE) certification from ASAE and the New Product Development Professional (NPDP) Certification from PDMA.

### **Tom McKee**

*Owner*

*Advantage Point Systems*

Tom McKee is the owner of Advantage Point Systems, a training and development firm. As a professional speaker and author in the field of organizational change, he has trained over 100,000 managers on how to manage the chaos of change. His clients included Hewlett Packard, the United States Air Force, Procter and Gamble, the California Franchise Tax Board, and the IRS. He developed and taught a 40-hour leadership course for nine Northern California County managers, the California Department of General Services, and The California Department of Finance. He then combined his years of corporate leadership-development proficiency and volunteer experience and started a non-profit consulting and training firm—"Volunteer Power: (<http://www.volunteerpowers.com>). He also wrote *The New Breed* to outline the seismic shifts that are changing volunteerism, including Web 2.0 and the social media, the SMAC stack, slacktivism/clicktivism, the episodic volunteer, and the development of a knowledge-based economy. Because of the popularity of his book, *The New Breed*, and his "Volunteer Power" training and development business, Tom has been a keynote speaker and workshop presenter for non-profit organizations including BMW Auto Club of America, American Association of Retired Persons (AARP), the International Salvation Army, Girl Scouts, the Braille Institute of America, and much more.

### **Russ Meier**

*Professor, Electrical Engineering and Computer Science*

*Milwaukee School of Engineering*

Dr. Russ Meier is a Distinguished Teaching Professor of Electrical Engineering and Computer Science at the Milwaukee School of Engineering. He is the IEEE Education Society Vice President for Conferences and works with colleagues from around the world to establish, plan, and maintain engineering education conference events. He serves on the Steering Committees of the ASEE/IEEE Frontiers in Education Conference (FIE), the IEEE Global Engineering Education Conference (EDUCON), the IEEE Teaching, Assessment, and Learning for Engineering Education Conference (TALE), and the IEEE-USA Annual Meeting. With 15 years of conference management experience, his work in the international conference community has been recognized with multiple conference and IEEE Society awards, and it was part of the portfolio of activities that led the International Society for Engineering Education to award him the title International Engineering Educator Honoris Causa for outstanding contributions in the field of Engineering Education.

### **Dawn Melley**

*Director, Editorial Services, IEEE Periodicals*

*IEEE*

As Director of Editorial Services for IEEE Periodicals, Dawn oversees and manages the editorial direction of publications produced by the IEEE Transactions/Journals and Magazines departments. Prior to joining IEEE in 2000, Dawn held editorial management positions at Reed Elsevier Inc., the Research Institute of America Group (a Thomson corporation), and Warren, Gorham & Lamont. In addition to editorial management responsibilities, her publishing career also includes experience in managing data conversion and electronic product development, developing and directing quality assurance programs and user training, and overseeing database development and the implementation of SGML- and XML-based editing systems. Throughout her career, Dawn has concentrated on leveraging new technologies to continually revise and improve editorial work processes. Dawn is chair of the Journals Committee of the Professional and Scholarly Publishing Division of the Association of American Publishers. Dawn received a B.A. in English from the State University of New York at Albany.

### **Mario Milicevic**

*Ph.D. Candidate*

*University of Toronto*

Mario Milicevic is a Ph.D. Candidate at the University of Toronto in the area digital integrated circuits. His research focuses on the design and development of integrated circuit implementations of Low-Density Parity-Check decoders for today's emerging wireless and wireline communication standards. Mario currently serves as the Vice Chair of Products and Services on the IEEE Young Professionals Committee, where he leads an international team of volunteers to deliver high-impact products and services to IEEE Young Professional members worldwide. As part of his portfolio, Mario re-introduced the monthly Young Professionals webinar series, and also initiated the promotion of online IEEE career-based services such as Mentor Centre and ResumeLab. Locally, Mario serves as the Chair of the Toronto Young Professionals Affinity Group, which regularly organizes networking and professional development events for early-career professionals and students in the Toronto area. Mario also enjoys the thrills of backcountry skiing and keelboat sailing racing.

**Fred Mintzer**

*Retired, Program Director, Blue Gene Watson Facility*

*IBM T. J. Watson Research Center*

Fred Mintzer recently retired from IBM's Watson Research Center, which he joined in 1978. Beginning in the middle 1980s, he managed a team that developed new technologies for image database applications and validated them in projects with cultural institutions that included the Vatican Library, Russia's Hermitage Museum, and the Egyptian Museum in Cairo. From 2001 until 2005, he managed the Visual Technologies Department which developed new technologies for digital imaging, computer graphics and data visualization. From 2005 until 2013, he was the Program Director for IBM's Blue Gene Watson facility, which once included the world's second most powerful computer. During his career, he contributed to over twenty-five patents, fifty technical publications, and several IBM offerings. He is an IEEE Life Fellow, a past VP of TAB, and past Chair of TAB Strategic Planning. Before receiving a PhD from Princeton University, he was employed by an operating telephone company in Pennsylvania.

**Diogo Monica**

*Security Engineer*

*Square*

Diogo Mónica is a Security Engineer at Square with a BSc and an MSc in Communication Network Engineering. As an IEEE volunteer, he helped reactivate and became the Vice-Chair of the IST Student Branch, a position he held for the subsequent three years. In 2009, he organized the first-ever IEEE Iberian Student Branch Congress, being the Public Relations lead of the event. After that, he joined the leadership of IEEE Region 8 as member of the Professional Activities Subcommittee (PASC), having organized the first R8 Professional Activities Summit, which was held together with Student Branch Congress in 2010. He has also served as the Region 8 Information Management Coordinator, and more recently he was nominated as the Chair of the Public Visibility Committee, a position that he currently holds.

**Bill Moses**

*Senior Staff Scientist*

*Lawrence Berkeley National Laboratory*

Bill Moses is currently in his final year as the Chair of the IEEE Conferences Committee, a position that he has held for nearly four years. He served as a member of the Conferences Committee for three years prior to becoming Chair. Bill is Director-Elect for IEEE Division IV and will serve as Director in 2015-2016. In addition, he has served for five years as a member of the IEEE Publication Products and Services Board (PSPB), as well as terms on the IEEE Transnational Committee, TAB Management Committee, TAB Finance Committee, and MGA Membership Recruitment and Retention Committee. For his day job, Bill is a Senior Staff Scientist at Lawrence Berkeley National Laboratory (LBNL) in Berkeley, CA, USA. There he leads a research group that develops ionizing radiation imaging techniques and instruments, primarily for medical imaging, but also for environmental remediation, homeland security, and subatomic particle physics.

**Stefan Mozar**

*President, IEEE Consumer Electronics Society*

*IEEE Volunteer*

Stefan Mozar is the President of the IEEE Consumer Electronics Society. He is based in Sydney, Australia; and a graduate of the University of New South Wales. In addition to degrees in engineering, he has an MBA from the University of Technology, Sydney. He is also a board member of the Product Safety Engineering Society. His experience includes service on three Section committees (NSW, Singapore, and Hong Kong), and he has chaired the CE Chapters in Singapore and Hong Kong. He started 9 IEEE conferences for the CE Society, and chaired the inaugural Tencon Sys (then known as Tencon Spring). He has also served on TAB conferences committee, where he chaired ad hocs on conference naming and conference finance.

### **Eduardo Navarro**

Eduardo Navarro is a GSM IEEE volunteer. He organized and directed technological projects and humanitarian work as a speaker at universities in countries of Regions 2, 8, and 9.

He was President of the IEEE Computer Society.

He has made a number of research papers such as "Implementation, and Importance Extandarizacion structured cabling Telecommunications network" "Remote configuration systems with Object Oriented Technology Integration Cisco / Java" and "Humanitarian Challenge Tecnology, green technology, climate change and humanitarian aid."

He is currently Region 9 Special Interest Groups on Humanitarian Technology (IEEE-SIGHT) Committee Chair, which performs humanitarian activities in conjunction with the UN and other ONGs.

### **Panos Papomichalis**

*Associate Dean, Academic Affairs; Professor, Electrical Engineering*

*Southern Methodist University*

Panos Papamichalis is an IEEE Fellow and serves as the 2014 Chair of the IEEE Fellow Committee. He is Associate Dean for Academic Affairs and Professor of Electrical Engineering at Southern Methodist University, in Dallas, Texas. Before joining SMU, he spent 23 years with Texas Instruments, where he became a TI Fellow. He received his Ph.D. degree from Georgia Tech in Atlanta, Georgia.

Panos served as the 2000-2001 President of the IEEE Signal Processing Society. He was the General Chair of the 1987 International Conference on Acoustics, Speech, and Signal Processing in Dallas, and the 2012 Emerging Signal Processing Applications Conference in Las Vegas. He was selected as distinguished lecturer of the IEEE ASSP Society of 1989. Between 1990-96, he served as Vice President-Conferences of the Signal Processing Society. In 1996, he received Signal Processing Society's Meritorious Service Award, and in 2000, he received the IEEE Third Millennium Medal.

### **John Paserba**

*General Manager, Gas Circuit Breaker Division*

*Mitsubishi Electric*

John Paserba (SM'84, M'89, SM'97, F'03) joined Mitsubishi Electric in December 1998 and is currently the General Manager - Gas Circuit Breaker Division. John began his career with General Electric's Power Systems Energy Consulting in August 1988. Presently John leads a business unit that produces 15-to-38 kV vacuum circuit breakers and 72-to-800 kV SF6 gas circuit breakers in two different factories and a material center. John regularly teaches a graduate power engineering course at the University of Pittsburgh and has instructed various engineering short courses at the University of Wisconsin-Madison.

John has been a Member of the IEEE MGA Student Activities Committee (SAC) since 2002 and is presently the Chair. He was the Chair of the SAC Student Professional Awareness Activities Subcommittee (SPAA) from 2008-12. He also served as Chair of the IEEE-USA Student Professional Awareness Committee (SPAC). John has been active in IEEE Student Member activities since 1996.

### **Nita Patel**

*Systems and Software Engineering Manager*

*L-3 Warrior Systems*



Nita Patel, is Systems and Software Engineering Manager at L-3 Warrior Systems. Nita was named the 2014 L-3 Engineer of the Year and 2011 New Hampshire Engineer of the Year for her technical contributions to the engineering profession.

Nita is currently the Women in Engineering International Chair and serves on the Computer Society BoG and Eta Kappa Nu BoG. She served as 2010-12 IEEE-USA VP of Communications & Public Awareness and Secretary/Treasurer of the Computer Society MGA Board. As MGA WIE Chair, Nita led the successful launch of the WIE International Leadership Conference and developed a comprehensive business strategy to fulfill the mission of WIE to inspire, engage, and advance women in technology.

Outside of IEEE, she is active with Toastmasters and the United States Chess Federation. Nita received her MS Computer Engineering, BS Electrical Engineering, and BS Mathematics from Southern Methodist University in Dallas.

### **Yvonne Pelham**

*Senior Manager, Educational Outreach*

IEEE

Yvonne Pelham is currently IEEE Educational Activities Senior Manager, Educational Outreach. She is responsible for leading IEEE's Pre-University Education, Informal Education, and Humanitarian programs. In particular, she oversees the strategic planning, development, and delivery of the IEEE Teacher In-Service Program, Portals (TryEngineering.org, TryComputing.org, TryNano.org, IEEE Spark), and the Engineering Projects in Community Service (EPICS) in IEEE Program. The focus is pre-university STEM education and outreach.

She has over 20 years of experience in the telecommunication industry. Prior to joining IEEE in 2006, she was a member of technical staff at AT&T and Alcatel-Lucent Technologies Bell Labs. She has years of experience managing an enterprise intranet solution.

Following her work at Alcatel-Lucent, she created proprietary training modules for a government defense contractor, SAIC.

She is a member of the American Society for Association Management (ASAE) and holds a Bachelor of Science in Engineering Technology from New Jersey Institute of Technology.

### **Elyn Perez**

*Senior Manager, Member Market Development*

IEEE

As the Senior Manager of Member Market Development, Elyn is responsible for the worldwide growth of IEEE membership. She and her team develop and execute member engagement strategies to maximize the recruitment and retention of IEEE members under such formal programs as the First Year Experience, Region 1-6 Strategy, Member-Get-a-Member, and Conference Member Recruitment Program. Her team supports the efforts of Membership Development volunteers worldwide, including the MGA Member Recruitment and Recovery Committee. In addition, she manages the campaign and communications strategy for all recruitment, reinstatement, renewal, and arrears recovery efforts. With a strong background in direct marketing and sales operations, Elyn has worked in the telecom, IT, and financial services sectors prior to joining IEEE.

### **Josheel Pranal**

*Field Application Engineer*

Rakon

Josheel hails from San Francisco, after having recently moved from New Zealand, where he completed his double undergraduate degrees in Robotics, Finance and Economics. With Frequency and Timing Solution market leader Rakon, he is a Field Application Engineer within the Sales team. An eye for business development and entrepreneurship, he actively pursues opportunities to improve the lives of his peers and the wider community, such as through his IEEE Young Professionals involvements. After having experienced grass roots IEEE volunteerism as a student volunteer, and in 2013 as a Young Professionals Affinity Group Chair in New Zealand North, he is now actively engaged in the IEEE Young Professionals Committee as Vice Chair, Communications and Marketing. IEEE Young Professionals is evolving. With the re-branding, change in classification criteria, as well as core products and services; it is an exciting time to be a Young Professional!

### **Kathy Pretz**

*Editor-in-Chief, The Institute*

#### IEEE

Kathy Pretz is the Editor in Chief of The Institute, IEEE's member newspaper. Pretz has been the editor of the monthly newspaper since 2000. She joined IEEE in 1992.

#### **Sohaib Qamar Sheikh**

*IT and Communication Systems Consultant  
Ove Arup and Partners Ltd*

Sohaib Qamar Sheikh (StM'07, GSM'11, M'13) is an IT and Communication Systems Consultant based in London, United Kingdom. He works at Ove Arup and Partners Ltd, where he is part of a dynamic team involved in designing, managing, and commissioning large scale technology projects in the built environment.

He has been a member of IEEE for the last 7 years and has held numerous positions at Student Branch, Section, Region (R8 and R10), and global level.

He is currently the Region 8 Pre-University Activities Coordinator responsible for supporting IEEE Education Activities Board's Pre-University programs in Europe, Middle East, and Africa.

#### **S.K. Ramesh**

*Dean, College of Engineering and Computer Science  
California State University, Northridge*

S. K. Ramesh serves the IEEE extensively, including the IEEE Educational Activities Board, the IEEE-HKN Board of Governors, and the ABET Board of Directors. He is the Chair of the 2014 IEEE EAB Pre-University Coordinating Committee, leading signature programs such as TISP and EPICS in IEEE, and is a candidate for the 2015-16 Region 6 Director-Elect position. As Sacramento Section Chair, and Region 6 Central Area Chair, he received a Region 6 Community Service Award for leadership in promoting pre-engineering programs for K-12 teachers. Ramesh is the 2012 recipient of the John Guarrera Engineering Educator of the Year award for innovative teaching, scholarship, and service to the profession and the community. Since 2006, Ramesh has been Dean of the College of Engineering and Computer Science at California State University, Northridge. Dr. Ramesh's professional interests cover Fiber Optic Communications. He received his PhD in 1986 from Southern Illinois University, Carbondale.

#### **Kenny Rice**

*Principal Consultant  
Brooks Consulting*

Kenny Rice is the Chair of the IEEE Central Texas Section (2012-present), IEEE Region 5 Section Vitality Coordinator (2013-present), and Finance Chair of Globecom 2014. He served as Treasurer of the IEEE Central Texas Section (2008-2011), Chair of the IEEE Central Texas Consultants Network in 2007, and Vice Chair in 2006. In March 2009, Mr. Rice was the committee Chair for the IEEE 125 Anniversary Celebration in Austin, Texas. He was the Local Chair for the 2010 IEEE International Instrumentation and Measurement Technology Conference, Local Chair for the 2011 IEEE-USA Annual Meeting, and Local Committee Chair for the 50th Design Automation Conference held in Austin in 2013. He was awarded a DAC Service Award in 2013 and won the 2009 IEEE Region 5 Outstanding Individual Member Achievement Award. Mr. Rice works as a design implementation engineer, contracting in the semiconductor industry. He owns his own contracting firm, Brooks Consulting.

#### **Susan Root**

*Director, Conference Business Services and Strategic Programs  
IEEE*

Susan is the Director of Conference Business Services and Strategic Programs for IEEE. In this role, she is responsible for conference governance and policy management, conference education and training, and the information systems and applications that support all IEEE conferences. In addition, she is also responsible for supporting strategic directions in events and conferences for IEEE. Susan is a conference enthusiast and, after a number of years in high technology businesses, is delighted to work in such an important area for IEEE.

### **Christian Schmid**

*Concept and Application Engineer, Automotive Radar  
Infineon Technologies*

Christian M. Schmid was born in Vienna, Austria, in 1983. He received the Dipl.-Ing. (M.Sc.) degree in mechatronics from the Johannes Kepler University (JKU), Linz, Austria, in 2009, where he is currently pursuing the Ph.D. degree.

During his time as an M.Sc. student, he was a visiting student at Prof. Tatsuo Itoh's Microwave Electronics Laboratory, University of California, Los Angeles, in 2008. From 2009 to 2014, he was a research assistant at the Christian Doppler Laboratory for Integrated Radar Sensors, JKU, Linz. Mid-2014 he joined Infineon Technologies, where he carries on his work on millimeter-wave radar system design for automotive applications. Mr. Schmid currently serves as IEEE Region 8 Student Representative. He was recipient of a German VDI award in 2009 and of the 2012 European Conference on Antennas and Propagation (EuCAP) Best Measurement Paper Prize.

### **Casey Schwartz**

*Senior Manager, IEEE Xplore  
IEEE*

### **Kalyan Sen**

*Chief Technology Officer  
Sen Engineering Solutions, Inc.*

Dr. Kalyan Sen is the Chief Technology Officer of Sen Engineering Solutions, Inc. ([www.sentransformer.com](http://www.sentransformer.com)) that specializes in developing SMART power flow controllers. He is a Senior Member of IEEE. He has served the organization in many positions. In 2003, he reestablished the Pittsburgh Chapters of the Power & Energy Society (PES) and the Industry Applications Society (IAS). Both Chapters received the "Outstanding Large Chapter" awards for their activities in 2004. Under his Chairmanship, the Pittsburgh Section received the "Outstanding Large Section" award for its activities in 2005. His other past positions include Editor of the IEEE Transactions on Power Delivery (2002 through 2007), Technical Program Chair of the 2008 PES General Meeting in Pittsburgh, Chapters and Sections Activities Track Chair of the 2008 IEEE Sections Congress in Quebec City, Canada, and the PES Region 2 Representative (2010, 2011). He has been serving as an IEEE PES Distinguished Lecturer since 2002.

### **Vera Sharoff**

*Director, Information Management  
IEEE*

Vera has been the Director of Information Management in IEEE Member and Geographic Activities (MGA) since 2009. Along with her Information Management staff team and IEEE IT, she has managed to launch and grow many volunteer solutions including SAMIEEE, eNotice, EWH, all of the vTools Applications, and most recently the Section Vitality Dashboard.

Vera is staff support to the MGA Information Technology Coordination and Oversight Committee and her staff supports the MGA vTools Committee.

She also plays an integral role in the IEEE Business Platform (IBP) - Membership and Membership Catalog Web Applications, as well as the backend systems that support IBP. This is her eighth Sections Congress.

### **Barry Shoop**

*Professor, Electrical Engineering; Department Head, Electrical Engineering and Computer Science  
U.S. Military Academy at West Point*

Barry L. Shoop is Professor of Electrical Engineering and Head of the Department of Electrical Engineering and Computer Science at the U.S. Military Academy at West Point. During his 20 years at West Point, he has served in a number of leadership positions including Director of the Electrical Engineering Program and Director of the Photonics Research Center. Currently as Professor and Head, he is responsible for an academic department with over 79 faculty and staff, serving more than 2,300 students annually. He received the

B.S. degree from the Pennsylvania State University and the Ph.D. degree from Stanford University, both in electrical engineering. He is a Fellow of SPIE, IEEE, and OSA, and a member of Phi Kappa Phi, Eta Kappa Nu, and Sigma Xi. He is the recipient of the 2008 OSA Robert E. Hopkins Leadership Award, the 2013 IEEE Haraden Pratt Award, and the 2013 SPIE Educator Award.

### **Monika Stickel**

*Director, Corporate Communications*  
IEEE

Monika Stickel is the Director of Corporate Communications at IEEE. Monika oversees global public and media relations, crisis and employee communications, and IEEE branding. She has over 15+ years of experience within the marketing communications and branding areas.

### **Aleksandar Szabo**

*Retired, Lecturer*  
University of Zagreb

Aleksandar Szabo received his degrees from the University of Zagreb. He started his professional career working on the design, production, and testing of electronic equipment for industry applications. After joining the University of Zagreb, he was teaching electronic circuits and participating in many technical projects.

Aleksandar Szabo is a member of IEEE since 1976. As the Croatia Section Chair and Member Development Officer, he was active in increasing membership and the activity of the Section.

In Region 8, he was the Chair of the MD Subcommittee in 2005, 2006, 2009, and 2010. Since 2013, he is R8 Vice Chair Member Activities.

In 2007, he was a member of the IEEE MD Committee and in 2009 and 2010, a member of the IEEE Life Members Committee. In 2011 and 2012, he was the chair of the MGA Membership Recruitment and Recovery Committee. Since 2013, he is a member of the MGA Geographic Unit Operations Support Committee.

### **Enrique Tejera**

*Energy Division High Voltage Section Manager*  
Panama Canal Authority

Enrique Tejera was born in Panama and received the B.Sc. in Electrical and Mechanical engineering from University of Panama (1982) and MSc in EE from UT Arlington (1983).

He is currently the Energy Division High Voltage Section Manager at the Panama Canal Authority, responsible for the maintenance of high voltage equipment and infrastructure in the Panama Canal.

He provides services as consultant for power systems applications. He has worked as a part time professor at the Universidad Tecnologica de Panama and has published and presented papers on power systems planning, protective relaying, interconnection schemes, distribution protection, O&M Strategies, and others in magazines and conferences.

For more than 30 years, he has been an IEEE volunteer, occupying positions at the Section, Council, Regional and world levels, including the Division VII Director 2010-2011. He also participates in several IEEE committees and was member of the Power & Energy Society board 2004-2009 as VP for Membership/Chapters.

### **Lewis Terman**

*Retired, Researcher and Manager*  
IBM

Lewis Terman joined the IBM Research Division in 1961, and retired in 2006. He continued in the Research Division for over three decades, working on and managing groups in advanced semiconductor devices and technology, and chip, circuit, and high speed processor design. At IBM, he received 9 IBM major technical awards, including 3 IBM Corporate Awards.

Terman served as IEEE President and CEO in 2008, and president of the IEEE Electron Devices Society in 1990-91, and the IEEE Solid-State Circuits Society in 1998-1999. He was the IEEE Vice President of Technical Activities in 2001, TAB Treasurer for two terms 1995-

1998, PSPB Treasurer in 2003, and Division 1 Director in 2004-2005. Terman is an IEEE Fellow and is a member of the US National Academy of Engineering.

Terman is currently serving as the IEEE Awards Board Chair, and has served in other award roles as far back as the 1970s.

### **Dan Toland**

*IEEE Power & Energy Society Scholarship Plus Program Director*

IEEE

Dan is responsible for the promotion, management, and day-to-day operations of the IEEE PES Scholarship Plus program. This program provides multi-year scholarships and career experience opportunities to qualifying U.S. & Canadian electrical engineering undergraduate students. Since 2011, 549 scholarships have been distributed to 380 individuals attending 136 universities across the USA and Canada. Over \$5.3M has been raised in support of this program and 160+ companies have benefited from the talent pool and hired PES Scholars as interns and full-time employees.

Dan also works with the PES and NPSS volunteers supporting the IEEE Community Solutions Initiative. Community Solutions Initiative (CSI) is committed to open-source design and delivery of energy solutions to the world's poorest and most energy-deprived populations.

### **Bill Tonti**

*Director, IEEE Future Directions*

IEEE

Dr. Tonti holds a BSEE from Northeastern University, an MSEE and a P.h.D from the University of Vermont, and an MBA from St. Michael's College. He retired from IBM in 2009 after 30+ years of service, working as the lead semiconductor technologist for a large part of his career. Dr. Tonti holds in excess of 290 issued patents, and has been recognized as an IBM Master Inventor. He was honored by having his 250<sup>th</sup> patent level read into the US Congressional Record.

Dr. Tonti is a Fellow of IEEE, a past IEEE Reliability Society President, and a recipient of the IEEE Reliability Engineer of the Year award.

Dr. Tonti joined IEEE in 2009 as the Director of IEEE Future Directions. In this position, he works alongside staff and volunteers to incubate new technologies within IEEE.

### **Jennifer Trelewicz**

*Director of Technical Strategy*

*JSC B2B-Center*

Dr. Jennifer Trelewicz is President of the IEEE Technology Management Council and the Director of Technical Strategy at JSC B2B-Center (the largest industrial e-commerce operator in Russia). She has been active in IEEE for more than 25 years, including in the organizing committees of conferences and member-at-large in the Signal Processing Society. Jennifer has worked in CTO and top-management Technical Strategy roles in some of the largest IT companies in their segments in Russia and USA, including in Google Russia, Mail.Ru, and IBM (where she opened IBM's Russian R&D lab). Jennifer continues to publish in international, refereed journals and transactions, and has 28 filed and granted patents in various countries.

### **John Walz**

*Retired, Senior Manager, Quality Strategy*

*Lucent Technologies*

Walz retired from Lucent Technologies as a Senior Manager, Quality Strategy. During his more than three-decade-long career in information technology, he gained in-depth experience with software development, managing software, and hardware development. Walz also has extensive experience in implementing process improvement techniques such as Baldrige, ISO 9001, TL 9000, and SEI Capability Maturity Model Integrated (CMMI). Walz has coauthored three books covering the use of IEEE Software Engineering Standards to support CMMI, ISO 9001, and Lean Six Sigma.

He received an BS & MS in electrical engineering from Ohio State University.



His key IEEE roles have included IEEE TAB ad hoc Attracting Industry Practitioners Co-chair 2012-2013, IEEE Computer Society President 2012, IEEE Computer Society Technical & Conference Activities Board VP 2009-2010, and IEEE Computer Society Standards Activities Board VP 2007-2008.

### **Soon Wan**

*Senior Design Engineer, Research and Development Engineering  
VICOR Corporation*

Soon has served IEEE in numerous volunteer positions, including MGA GOLD Chair, Section Chair, etc. Soon is the Region 1 Membership Development Chair since 2010. He received the 2009 MGA Achievement award "For sustained leadership in developing successful GOLD programs in support of the MGA vision and mission," and 2006 MGA GOLD Achievement award for "Outstanding leadership and dedication to improving the Region 1 GOLD program by establishing best practices."

Soon graduated from Ngee Ann Polytechnic as the top student with the highest merit diploma in 1992. Then, he graduated with Summa Cum Laude in Electrical and Computer Engineering bachelor degree at Merrimack, and as the top graduate student in 2000. Currently, Soon is a Senior Design Engineer in the Research and Development Engineering group at VICOR Corporation. He works with a team to design and develop high power density DC/DC power converter with innovative technologies and patented topologies.

### **Mary Ward-Callan**

*Managing Director, Technical Activities  
IEEE*

Mary Ward-Callan is the IEEE Staff Executive responsible for the strategic and operational leadership of the IEEE Technical Activities business unit. IEEE has 45 technical Societies and Councils, several technical Committees (such as RFID, Smart Grid, and Life Sciences), over 1100 conferences, 145 Society publications, several certification programs, as well as numerous symposium, technical training seminars, and tutorials. Mary manages approximately 300 individuals who support these activities, as well as support the IEEE Meetings and Conference Business. She also oversees an effort to increase the IEEE coverage in new technology areas and to apply IEEE member technical expertise to pressing world problems.

Mary is a Certified Association Executive, holds the B.A. degree in Mathematics from Vassar College (with honors, Phi Beta Kappa), and the M.S.E.E. in Electrical Engineering and Computing from Princeton University. Mary is a Senior Member of IEEE and a member of ASAE.

### **Lawrence Wong**

*Professor, Department of Electrical and Computer Engineering; Deputy Director, Interactive and Digital Media Institute (IDMI)  
National University of Singapore*

Lawrence W.C. Wong is Professor in the Department of Electrical and Computer Engineering, National University of Singapore (NUS). He is also Deputy Director at the Interactive and Digital Media Institute (IDMI) in NUS. Since joining NUS in 1983, he served in various positions at the department, faculty, and university levels. Prior to joining NUS in 1983, he was a Member of Technical Staff at AT&T Bell Laboratories, Crawford Hill Lab, NJ, USA, from 1980 to 1983.

He received the B.Sc. and Ph.D. degrees in Electronic and Electrical Engineering from Loughborough University, UK. His research interests include wireless and sensor networks and systems, ambient intelligent platforms, multimedia networks, localization and source matched transmission techniques, with over 270 publications and 4 patents in these areas.

He has been an active IEEE volunteer since 1984 taking on various volunteer roles including conference chair, chapter chair, section chair, and region director.

### **Tim Wong**

*Power Systems Planning Engineer*

Timothy currently serves as Chair of the IEEE Young Professionals Committee (formerly GOLD) and as Member-At-Large on the Publication Services and Products Board. He has had experience in the power utility, water, and embedded systems software industry. He actively networks and enjoys developing new opportunities and working partnerships and currently mentors several volunteers in

IEEE and other organizations. Timothy graduated with a Bachelor of Computer Science and Bachelor of Electrical and Electronics Engineering from UWA with first class honors and was valedictory speaker.

### **Timothy Worboys**

*Senior Software Engineer*

*LinkedIn*

Tim Worboys is one of three TAB representatives to the IEEE Young Professionals Committee, and is serving as the Young Professionals Vice Chair - Leadership & Training. He is also a member of the Global Humanitarian Technology Conference Steering Committee and has held several positions in his local Young Professionals Affinity Group. Apart from his involvement in the IEEE, Tim works as a Senior Software Engineer at LinkedIn in Mountain View, California, on GraphDB - LinkedIn's next generation distributed real time graph query processing system. This system handles 1M queries per second growing at approximately 400% per annum, and has a median response time of 500us. Prior to working at LinkedIn, Tim was a student at the University of Waterloo, graduating in 2012, where he completed 6 internships at various companies in North America.

### **Michael Young**

*Marketing Coordinator*

*IEEE*

### **Matej Zajc**

*Associate Professor*

*University of Ljubljana, Slovenia*

Matej Zajc is an Associate professor at the Faculty of Electrical Engineering, University of Ljubljana, Slovenia. He teaches undergraduate and graduate courses in the fields of communications and multimedia.

Matej Zajc (SMIEEE) is Slovenia section past-chair (2010-2013) and currently SP&CAS Chapter chair. He is an IEEE volunteer for more than a decade and a member of IEEE Center for Leadership Excellence Committee since 2013.

### **Jacek Zurada**

*Professor, Electrical and Computer Engineering*

*University of Louisville*

Dr. Jacek M. Zurada (LFIEEE'96) serves as a Professor of Electrical and Computer Engineering at the University of Louisville, Louisville, Kentucky, USA. He authored or co-authored several books and over 370 papers in the area of computational intelligence, neural networks and machine learning, logic rule extraction, and bioinformatics. His work has been cited over 7800 times.

He currently serves as IEEE Vice-President for Technical Activities (TAB Chair) and also chairs the IEEE TAB Management Committee. He was the Editor-in-Chief of the IEEE Transactions on Neural Networks, Associate Editor of the IEEE Transactions on Circuits and Systems, and was member of the Editorial Board of several other international journals. In 2004-05, he was the President of the IEEE Computational Intelligence Society.

He holds the title of a Professor in Poland, the Membership of the Polish Academy of Sciences, and has been awarded numerous awards, including four honorary professorships of Chinese universities.