

2017 IEEE Annual Election

Candidate Biographies and Statements

www.ieee.org/elections



Instructions to IEEE Voting Members

Please Read Instructions Carefully Before You Vote

Voting members may cast their ballot in one of two ways: Ballot materials may be accessed online and returned electronically (see #1 below) or paper ballots may be mailed (see #2 below). Follow the ballot marking procedures carefully to ensure your ballot will be valid.

NOTE: The ballots have been prepared so that candidate information within election categories appears randomly and indicates no preference. It follows an order that was predetermined through a lottery process.

- 1. Electronic Transmission:** Voting materials for the annual election are available online at the IEEE website www.ieee.org/elections. To be authenticated electronically, please use your IEEE Account username/password or use the Control Number and E-signature provided or scan the QR code on your paper ballot.
- 2. Paper Returns:** Please sign your ballot. Unsigned (blank) paper ballots do not count as valid votes. Ballots not signed in the signature box on the upper portion of the ballot form do not count as valid votes. The upper portion of the form will be detached after validation and prior to tabulation of the vote by the election vendor.
- 3. Ballot Marking:** Vote for the candidate of your choice in each category indicated on the form by marking an in the corresponding box to the LEFT of the name. **Any mark made in a box will count as a valid vote. If a mark is NOT made in the box to the left of the name, or if the box is circled without an , it will NOT count as a valid vote. In order to nullify a vote that has been cast in error, the candidate's name AND check-off box should be crossed out completely. If a mark is made in more than one box it will not be counted as a valid vote.**
- 4. Election Categories:** Only voting members of the IEEE may vote for IEEE President-Elect. The categories shown on the ballot reflect the Division(s) and/or Region in which you are eligible to vote this year. Those voting members residing in Regions 1-6 may also vote for IEEE-USA President-Elect, and those IEEE members who also belong to at least one Society may vote for IEEE Technical Activities Vice President-Elect. In 2017, elections are only being conducted in the following Divisions and Regions: Divisions II, IV, VI, VIII and X for Delegate-Elect/Director-Elect and Regions 1, 3, 5, 7 and 9 for Delegate-Elect/Director-Elect. The absence of a category for Division Delegate-Elect/Director-Elect or Region Delegate-Elect/Director-Elect on your ballot indicates that no election is being conducted for these offices in 2017. Elections are also being conducted in all Regions for IEEE Standards Association (IEEE-SA) President-Elect and Board of Governors Member-at-Large. **NOTE:** The 2018 IEEE President-Elect will become IEEE President in 2019.
- 5. Deadline for Ballot Receipt:** Only ballots received by 12 Noon, Central Time USA (17:00 UTC) on 2 October 2017 will be counted. Access and return ballot electronically or mail early to allow for delivery by the deadline date.

Regional Elections

The world is divided into ten IEEE Regions, each represented on the IEEE Board of Directors by a Region Delegate/Director who serves a two-year term. The Region Delegate-Elect/Director-Elect is elected by the voting members of the Region from a slate nominated by the Regional Committee or by petition of the eligible voting members in the Region. The Region territories described at www.ieee.org/elections are not necessarily confined to State or Country boundaries. When such boundaries are crossed, the State or Country is listed under the Region that contains most of its area. IEEE eligible voting members are entitled to vote for the Region Delegate-Elect/Director-Elect where they reside.

Technical Division Elections

IEEE Societies are clustered within ten technical Divisions, each represented on the IEEE Board of Directors by a Division Delegate/Director who serves a two-year term. The Division Delegate-Elect/Director-Elect is elected by the voting members of the Division from a slate nominated by the Divisional Committee or by petition of the eligible voting members in the Division. Technical Societies by Division are listed at www.ieee.org/elections.

Standards Association Elections

IEEE Standards Association (IEEE-SA) has the responsibility to pursue programs on an Institute-wide basis that enhances globalization of IEEE standards. Only voting members of the IEEE who are also IEEE Standards Association individual members can vote for the IEEE Standards Association President-Elect. Corporate members are not eligible to vote for IEEE Standards Association President-Elect. All individual members of the IEEE Standards Association are eligible to vote for the IEEE Standards Association Board of Governors Members-at-Large. All corporate members of the IEEE Standards Association, via their respective representatives, are eligible to vote for the IEEE Standards Association Board of Governors Members-at-Large. No member grade is required to vote for IEEE Standards Association Board of Governors Members-at-Large.

Technical Activities Elections

IEEE Technical Activities Board (TAB) serves the technical interests of the members worldwide. IEEE eligible voting members who are also members of at least one technical Society are entitled to vote for IEEE Technical Activities Vice President-Elect.

IEEE United States of America Elections

IEEE United States of America (IEEE-USA) serves the professional interests of the members of the United States. IEEE eligible voting members residing in Regions 1-6 are entitled to vote for IEEE-USA President-Elect and IEEE-USA Member-at-Large.

IEEE Policy Against Discrimination and Harassment

IEEE, consistent with the purposes articulated in Article I of the IEEE Constitution, is committed to the realization and maintenance of an environment in which members may have full and productive careers free from Discrimination or Harassment.

IEEE is committed to the principle that all persons shall have equal access to programs, facilities, services, and employment without regard to personal characteristics not related to ability, performance, or qualifications as determined by IEEE policy and/or applicable laws.

IEEE prohibits Discrimination, Harassment and Bullying against any person for any reason, for example, because of age, ancestry, color, disability or handicap, national origin, race, religion, gender, sexual or affectional orientation, gender identity, appearance, matriculation, political affiliation, marital status, veteran status or any other characteristic protected by law. IEEE employees, volunteers, members, and other constituents of the IEEE, when and where ever those individuals are conducting IEEE business or participating in IEEE events or activities, shall maintain an environment free of Discrimination, including Harassment, Bullying, and Retaliation.

Mediation and Enforcement:

IEEE Human Resources Department shall have the primary responsibility for oversight of this policy including investigating complaints of Discrimination, Harassment, Bullying, and Retaliation with respect to employees. Any person who believes that he or she has been the victim of illegal Discrimination or Harassment may seek redress through an appropriate Organizational Unit dispute resolution mechanism or may contact the IEEE Hotline at +1 888 359 6323. The Ethics and Member Conduct Committee shall have final responsibility for oversight of Policy 9.26 and this Policy 9.27 with respect to IEEE members. Matters deemed to be of a serious nature shall be referred to the Legal and Compliance Department for handling.

The goal in every such case shall be to reach a determination on the merits of allegations, if possible. In most cases, this will require an investigation into the facts. Such an investigation may be conducted by IEEE staff, legal counsel, volunteers, private investigators or other individuals deemed qualified to do so. If the evidence shows that there has been Discrimination, Harassment, Bullying, and/or Retaliation, IEEE shall seek to ensure the Discrimination, Harassment, Bullying or Retaliation immediately stops and does not recur. The complainant shall be informed generally of the conclusions reached regarding the allegations. Disciplinary sanctions for violation of policy, up to and including termination of employment or expulsion from membership in IEEE, as applicable, will be imposed in accordance with applicable IEEE policies. The IEEE President shall be informed of all allegations involving IEEE members, volunteers, or any management level employees. If the complaint is against the IEEE President then the IEEE Board of Directors shall be informed.

In accordance with IEEE Policy 9.9, the Whistleblower and Non-Retaliation Policy, IEEE prohibits retaliation for raising in good faith an issue of potential Discrimination, Harassment, Bullying, and/or Retaliation, and discourages any behavior that might be perceived as retaliatory in nature. Retaliation shall constitute a separate violation and may result in a sanction independent of the outcome of a complaint.

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For the information of IEEE voting members: Candidates' biographies, accomplishments, activities and statements are published as furnished and attested to by the candidates. The sequence of the candidates in this pamphlet are listed by election category determined by lottery and indicates no preference.

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For IEEE President-Elect, 2018 IEEE President, 2019



VINCENZO PIURI

(Nominated by IEEE Board of Directors)

Professor
University of Milan
Milano, Italy
VincenzoPiuri.org

Vincenzo Piuri (IEEE Fellow, 2001) is Professor of Computer Engineering at University of Milan, Italy (since 2000; Department Chair in 2007-2012). He has been Associate Professor at Politecnico di Milano, Italy (1992-2000), visiting professor at University of Texas at Austin, USA (summers 1996-1999), and visiting researcher at George Mason University, USA (summers 2012-2016). He founded a start-up company for industrial intelligent systems (CEO in 2007-2010).

His research and industrial interests are in intelligent systems, neural networks, pattern recognition, machine learning, signal/image processing, measurement systems, and fault-tolerant architectures. He has published 400+ research papers in international journals, conference proceedings, and books.

He has received several awards and recognitions for scientific contributions and IEEE service. He is an IEEE Fellow, ACM Distinguished Scientist, IEEE-HKN Member, INNS Senior Member, and active Member of IEEE Societies/Technical Councils/Affinity Groups (including CIS, ComSoc, CS, CSS, EMBS, IMS, PHOS, RAS, SMCS, SPS, BIOMC, SYSC, WIE).

IEEE Accomplishments and Activities

(S'84-M'86-SM'96-F'01)

In his 33 years of continuous and active service, Vincenzo Piuri has been involved in many activities and at many levels, strongly promoting a holistic, cooperative, and inclusive view for *One IEEE*, with a strategic vision and consensus building for effective results.

- **Management:** IEEE Vice President Technical Activities; IEEE Board of Directors (four years), Technical Activities Board, Publication Services and Products Board, and their Committees; Committees of Member and Geographic Activities Board and Educational Activities Board; Societies and Technical Councils (President, Vice President Membership, Publications, Education, Administrative Committees); Chapters; Student Branch.

- **Strategic planning:** served/led in IEEE, TAB, MGA, and PSPB planning; encouraged cooperation and outreach among organizational units; promoted financial transparency.
- **Technical activities:** chaired, co-founded, or promoted several technical committees (in CIS, CS, IMS, SYSC, BIOMC); promoted emerging technologies; founded the IEEE Environmental Engineering Initiative.
- **Conferences:** organized 80+ events, including Smart World Congress (2017, 2016, 2015), WF-IOT (2016, 2015), SSCI (2013, 2011, 2009), I²MTC (2010, 2009, 2004), IJCNN (2010, 2009, 2000).
- **Publications:** Editor-in-Chief (ISJ); Associate Editor (T-CC, T-NN, T-IM, CI-M); nurtured new publications (CI-M, T-AMD, T-CIAIG); promoted development of existing journals (T-IM, T-NN, T-FS, T-EC, ISJ) to address industry needs.
- **Educational activities:** established a certification program and summer schools; delivered tutorials at conferences, on-line, and in the IEEE e-Learning Library.
- **Members and community services:** 2017 IEEE Sections Congress (Program Chair); promoted new networking events; started volunteer training programs in technical activities; founded or promoted foundation of a Section and 35+ Chapters worldwide.
- **Inclusivity and diversity:** strongly promoted inclusivity for underserved groups (especially young professionals and women) and geographical areas; contributed to industry outreach; developed activities for entrepreneurs.
- **Awards services:** IEEE Awards Board; Technical Field Awards Committees (Chair, member); proposed several new awards.

Statement

As technology plays an important and growing role in our lives, IEEE should continue to be the global leader in science, technology, and innovation for the benefit of humanity. IEEE is uniquely positioned with the extraordinary expertise and dedication that our IEEE community offers. Together we can face this challenge and enhance our profession with a holistic vision for *One IEEE* by:

- *Continuing to be the trusted source for high-quality innovative and timely knowledge for scientists and professionals*, by adopting a human-centric approach with modern delivery, addressing emerging topics and standardization needs, facilitating knowledge search with recommendation systems and data analytics, supporting research and education with data/algorithms repositories and educational material, and providing practical knowledge to professionals;
- *Empowering and engaging the IEEE members and the whole scientific*

and professional community, by facilitating access to knowledge and services, providing tangible value and affordable membership fees, enhancing specialized networking, expanding continuing education and certifications, supporting career development, addressing needs of industry and entrepreneurs, and ensuring trust, transparency, sustainability, and participation of members in IEEE management;

- *Promoting inclusivity and diversity* of technological expertise, profession, gender, age, and geographical origin, by acting holistically, nurturing our global and local communities, embracing the underserved groups and areas, engaging young generations and women, cooperating with national and international scientific/professional associations, and supporting public service, public policy, and humanitarian activities.

With this spirit, I am fully committed to serve with a collegial approach, valuing diversity and all needs, and promoting an inclusive perspective.

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For IEEE President-Elect, 2018
IEEE President, 2019



JACEK M. ZURADA

(Nominated by IEEE Board of Directors)

Professor
Department of Electrical and Computer Engineering
University of Louisville
Louisville, Kentucky, USA
www.JacekZurada.org

Dr. Jacek Zurada is a Professor of Electrical and Computer Engineering at the University of Louisville, Louisville, Kentucky, USA. He was a post-doc at Swiss Federal Institute of Technology in Zurich, a Visiting Professor at Princeton University, and a Distinguished Visiting Professor at NUS and NTU (Singapore).

He has authored several textbooks and over 400 refereed publications in computational intelligence, machine learning, image/signal processing, bioinformatics and microelectronics that have resulted in over 10,800 citations. He has advised 21 PhD students who now hold leadership positions within industry, academia, and governments. He has also served industry and start-ups as a consultant.

Dr. Zurada has delivered over 160 invited plenary conference presentations and seminars, including Distinguished Lectures for three IEEE Societies. He received numerous IEEE, University and learned society awards for research, teaching and service. He was elected to the Polish Academy of Sciences and conferred five honorary doctorates and professorships.

IEEE Accomplishments and Activities

(M'82-SM'83-F'96-LF'14)

Dr. Zurada has served the IEEE in a wide range of leadership roles in four major Boards, including the IEEE Board of Directors, Technical Activities (TAB), Members and Geographical Activities (MGAB), and Publications Services and Products (PSPB).

In 2014 he was IEEE Vice-President for Technical Activities (Elect-2013, Past-2015), and chaired the TAB Strategic Planning Committee in 2015. Since 2016 he has served as a TAB representative to the MGAB. Dr. Zurada also served as the Chair of the Periodicals Committee (2010-11) and Chair of the Periodicals Review and Advisory Committee (2012-13). In 2011, he was Vice-Chair of PSPB and chaired the Transactions Committee (2007-09).

In 2004-05 Dr. Zurada served as IEEE Computational Intelligence Society President. He was Editor-in-Chief of the *IEEE Transactions on Neural Networks* (1998-2003). He also served as a chair or member of 140 conference committees.

Notable recent accomplishments:

- Led successful effort that pioneered the delivery of **Educational Products and Services** created by Societies/Councils as a benefit for IEEE members, Society members, and the general public. This has brought novel lines of educational offerings that support continuing education and life-long learning (2013-16).
- Launched the **Globalization Initiative** aimed at building a new generation of IEEE/TA volunteers in publishing, conferences and governance. This effort resulted in a series of successful and reproducible 'Train-the-Trainers' Workshops offered in Asia, South America and Eastern Europe (2013-15).
- Successfully championed the TAB-wide **Financial Transparency Initiative**. This multi-year collaborative effort required close cooperation of IEEE volunteers, staff and of the TA Ad-Hoc and has greatly benefitted the operations of all IEEE Societies/Councils (2013-16).
- Supported and championed **12 new Practitioner-oriented IEEE Magazines and three new Virtual Journals or Compendia** (as a member and/or Chair of the TAB Periodicals Committee 2006-13).
- Provided leadership in IEEE Periodicals that addressed the issue of **Impact Factor Integrity** in editorial practices (2011-12).

Statement

If elected IEEE President I will work with utmost dedication. As a passionate engineer/scientist with extensive experience and accomplishments in IEEE, TAB, MGAB, and PSPB, I'll provide IEEE with effective, enthusiastic and visionary leadership. My focus will be to:

Better meet the needs of industry practitioners and make our products, services, and educational offerings more relevant to their jobs and career aspirations. I'll concentrate on providing them with information through topically organized industry resource centers that will help practitioners locate and leverage *quality technical information* quickly. The centers will also offer *career resources* and will allow members to continue their education.

Improve the utility of IEEE Intellectual Property with over 4 million papers by combining them with intelligent analytics tools. This will provide users with *knowledge* rather than *information*. Our members would benefit from tools that help answer questions, find design or algorithms.

Provide more opportunities for current and future members from underprivileged or underrepresented groups, including women, students, young professionals and entrepreneurs, and those in less advanced economies seeking professional growth.

Expand interactions between IEEE, governments, NGOs, standards organizations and industry. This will enhance IEEE's public voice, members' welfare and the value and image of the profession.

Foster leadership in technology and nurture emerging communities.

In summary: My **cross-cultural exposure** blends my European background with the professional career of 30 years in the United States and three years in Asia. This experience has given me the confidence and skills to be an effective leader of the increasingly global IEEE.

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For IEEE President-Elect, 2018 IEEE President, 2019



JOSÉ M. F. MOURA

(Nominated by Petition)

Philip and Marsha Dowd University Professor
Electrical and Computer Engineering Department, and
BioMedical Engineering Department
Carnegie Mellon University
Pittsburg, Pennsylvania, USA
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José Moura is Chaired University Professor at CMU, member US National Academy of Engineering, corresponding member of Portugal Academy of Sciences, Fellow of US National Academy of Inventors, IEEE Fellow and AAAS Fellow. He is a member of the US National Academies Navy Study Board. He holds a doctorate from MIT and an EE from IST, Portugal. He was a Professor at IST, visiting Professor at MIT and NYU. Accomplishments: founded a large research program between CMU and Portugal, www.cmuportugal.org; holds 14 patents, two used in 3 billion disk drive chips in 60% of all computers sold in last 12 years (\$750Million settlement between CMU and chip manufacturer); cofounded Spiralgen www.spiralgen.com; technology licensed by Intel (10 million lines of code in Intel's IPP) and Siemens (MRI scanners). He received the IEEE Signal Processing Society *Technical Achievement Award* and the *Society Award* for outstanding technical contributions and leadership in Signal Processing.

IEEE Accomplishments and Activities

(S'71-M'75-SM'90-F'94-LF'12)

IEEE Accomplishments. As Technical Activities Vice-President (VP), I formed committees to address challenges facing IEEE: one, joint with the Member and Region Activities VP, to determine what is the value of an IEEE membership, for example, to young professionals, professionals from different countries and different industries, and what membership models can best serve them; another, joint with the Education Activities VP, to create new education products that best leverage technology; a committee to address the diversity of our membership; another to increase transparency in IEEE finances, develop new businesses, and better ways to manage IEEE operations—which IEEE operational units should run as service centers, competing with outside businesses. I challenged the organization to develop a new large type event bringing participants and technology industry leaders together, exposing participants to new technologies, providing networking and mentoring opportunities. In the late 90's, as Editor-in-Chief and then VP Publications, I proposed and then led the digitization of

>50 years of content of the Signal Processing Society, since its 1948 origins. Partnering with 6 or 7 other Societies, we formed Opera, the first digital library that evolved into the IEEE Digital Library Xplore®, the most successful IEEE product ever.

IEEE Selected Activities. COMMITTEES/BOARDS: IEEE Board of Directors: Past Chair Technical Activities Board, 2017; Vice-President Technical Activities, Officer, and Director, 2016; Member and Division IX Director, 2013-14; IEEE Awards Board, 2012-14; Technical Activities Board (TAB), 2008-09, 2012-13; Educational Activities Board, 2010; Publication Services and Products Board (PSPB) 2008, 2011-12; PSPB Strategic Planning Committee, 2008-09, 2011-12. *IEEE Proceedings*, 1999-2007. **Signal Processing Society (SPS):** Chair Awards Board, 2013-14; President, 2008-09; Long Range Planning Committee Chair, 2006-07; Vice-President Publications, 2000-02; *Signal Processing Magazine*, 2003-05; *Signal Processing Letters*, Interim Editor-in-Chief, 2002; *Transactions on Signal Processing*, Editor-in-Chief, 1995-99. **Sensors Council:** VP Publications, 2000-02. **IEEE Portugal Section:** Founding Member, 1980-84.

Statement

Over the last few years, IEEE top leadership lost its focus on membership, emphasizing corporate mandates instead of member value, while allowing multimillion dollar operating deficits. The IEEE Board holds long closed sessions, Board Directors are instructed to keep these in utmost secrecy, the leadership led the Board to take, from my perspective, initiatives of questionable impact on IEEE's core: its members and technical communities. As President, I will strive for an open organization addressing two persistent IEEE challenges: dramatically increase IEEE membership through enhanced member value, and address the IEEE's multimillion dollar operating activities deficit. IEEE has 400 thousand members, less than 10% of the over four million distinct users of IEEE's Xplore® Digital Library. Why are the other 90% of Xplore® users not IEEE members? Our membership is aging and many young professionals do not find value in membership, yet, they seek networking opportunities more than ever. As President, with volunteers and staff from Regions, Societies, and Councils, I will leverage technology to attract new members, develop new membership models, new products and services that provide value to our members in different regions, different age groups, and different industry segments. With volunteers and staff, I will develop a transparent financial system that explains where each dollar is spent, roots out waste, promotes efficiency, and reduces costs without affecting the quality of products and services to you, our members. With your vote, we will bring the best of the IEEE to the next level! Visit www.JoseMoura.com for details.

For IEEE Division Delegate-Elect/Director-Elect, 2018
IEEE Division Delegate/Director, 2019-2020
Division II (CPMTS, DEIS, IAS, IMS, PELS, UFFCS)



DAVID B. DUROCHER

(Nominated by IEEE Division II)

Global Industry Manager
Eaton Corporation
Wilsonville, Oregon, USA

David B. Durocher is an industry veteran, currently serving as Global Industry Manager, Mining, Metals & Minerals for Eaton Corporation. Dave holds two US patents and is a technology leader at Eaton Corporation. He has over 38 years of experience with Westinghouse and Eaton serving in a variety of product engineering, sales and global marketing roles, authoring over 30 technical papers that have been presented at conferences around the world and published in *IEEE Transactions on Industry Applications*, *Plant Engineering*, *World Cement* and *EC&M Magazine*. Dave is a Senior Member of the IEEE and served as IEEE Industry Applications Society (IAS) President 2015-2016. He presently serves on the Board of the IEEE IAS and the Board of the Washington Pulp & Paper Foundation. He earned a B.S. in Electrical Engineering from Oregon State University.

IEEE Accomplishments and Activities
(S'77-M'78-SM'99)

As President of the IEEE Industry Applications Society President, I successfully demonstrated both passion and leadership in executing IAS's strategic initiative of "Focused growth through globalization and youth". One measure of successful leadership in these two key areas was teamwork with the Society Chapters & Membership Department Chair in visiting IEEE Section Chapters and IEEE Student Branch Chapters. Travel was global, but focused across IEEE Regions 8-10 including visits to businesses and universities in Panama, Brazil, Colombia, Peru, Argentina, Ukraine, Latvia, Italy, India, Bangladesh, Sri Lanka, Indonesia, Malaysia, Japan and China. A total of 111 new IAS Chapters were formed during the 2015-2016 two-year society president term. The most successful two-year growth in society history.

IEEE COMMITTEE/BOARD

- Member IEEE Technical Activities Board (2015-2016)

SOCIETY

- IEEE Industry Applications Society (IAS) Past President (2017)
- IEEE IAS President (2015-2016)
- IEEE IAS President Elect/IAS Annual Meeting Chair (2013-2014)

- IEEE IAS Vice-President/Long Range Planning Chair (2011-2012)
- IEEE IAS Process Industries Department Chair (2007-2010)
- IEEE IAS Member At Large (2005-2006)
- IEEE IAS Oregon/SW Washington Chapter Program Chair (2000-2006)
- IEEE IAS Chair Pulp & Paper Industry Technical Committee (2009-2010)
- Member IEEE IAS Pulp & Paper Industry Committee (1997-Present)
- Member IEEE IAS Cement Industry Committee (2008-Present)
- Member IEEE IAS Mining Industry Committee (2012-Present)

CONFERENCES

- IEEE IAS Pulp & Paper Industry Technical Conference, Vice-Chair (2001)
- IEEE IAS Pulp & Paper Industry Technical Conference, General Chair (2012)

MAJOR ACCOMPLISHMENTS

- Created/Established the IEEE Foundation James A. Rooks Memorial Grant Fund, 2007
- Meritorious Service Award 2012, IEEE IAS Pulp & Paper Industry Committee
- Best Paper Award, *IEEE Industry Applications Magazine*, 2011
- Best Conference Paper Award, IEEE IAS/PCA Cement Industry Technical Conference, 2013

Statement

If elected, it will be an honor for me to continue my IEEE service as an active volunteer and member of TAB, serving as IEEE Division II Delegate-Elect/Director-Elect, 2018 and Delegate/Director, 2019-2020. My 38 years of experience as a business leader and as past president of the IEEE Industry Applications Society uniquely qualifies me to serve in this important role. I believe we need to embrace and celebrate the unique character of the societies within Division II. Equally important is sharing best practices across Division II Societies to foster teamwork, driving technical activities and organizational growth. My plan as a member of TAB and as Division II leader is to serve as a volunteer representing Division II societies as an active/engaged attendee at TAB meetings and to communicate TAB initiatives as an active and participating attendee at Division II society executive board meetings. I plan to be both visible and actively involved.

For IEEE Division Delegate-Elect/Director-Elect, 2018
IEEE Division Delegate/Director, 2019-2020
Division II (CPMTS, DEIS, IAS, IMS, PELS, UFFCS)



REZA ZOUGHI

(Nominated by IEEE Division II)

Schlumberger Distinguished Professor
Electrical and Computer Engineering Department
Missouri University of Science and Technology (formerly
University of Missouri-Rolla)
Rolla, Missouri, USA

[http://ece.mst.edu/facultystaffandfacilities/
facultydirectory/rezazoughi/](http://ece.mst.edu/facultystaffandfacilities/facultydirectory/rezazoughi/)

Reza Zoughi is the Schlumberger Distinguished Professor of ECE at Missouri University of Science and Technology. Before that (1987-2000) he was with the ECE Department at Colorado State University where he held the position of Business Challenge Endowed Professor (1995-97). He and his co-authors received the 2013 *H. A. Wheeler Prize Paper Award of the IEEE Antennas and Propagation Society*. He is the recipient of the 2011 *IEEE Joseph F. Keithley Award in Instrumentation & Measurement*, the 2009 American Society for Nondestructive Testing (ASNT) *Research Award for Sustained Excellence* and the 2007 IEEE Instrumentation and Measurement Society *Distinguished Service Award*. He has received numerous teaching awards, has published 153 journal papers, a textbook on the subject of microwave nondestructive evaluation, and has delivered numerous invited and Keynote presentations on this subject. He is Fellow of the IEEE and a Fellow of ASNT, and has eighteen patents to his credit.

IEEE Accomplishments and Activities

(S'85-M'86-SM'93-F'06)

IEEE:

- 2016-present, *Member*, IEEE Platform Guidance Group.
- 2016-present, *At-Large Member of the* IEEE Publications and Products Board (PSPB).
- 2006-present, *Editorial Advisory Board Member*, *IEEE Systems Journal*.
- 2017, *Member*, PSPB AdHoc Committee on Author Education.
- 2015 and 2017, *Member*, TAB/PSPB Products and Services Committee.
- 5/2014-4/2015, *Chair*, IEEE Joseph F. Keithley Award in Instrumentation & Measurement Committee.
- 2014, *Participant*, 2014 IEEE Open Access Summit and PSPB Strategic Planning Committee.
- 5/2011-5/2014, *Member*, IEEE Joseph F. Keithley Award in Instrumentation & Measurement Committee.

Instrumentation & Measurement (I&M) Society:

- 2016-2017, *Chair*, IEEE I²MTC Conference Board.
- 2010-2013 and 2014-2017, *Distinguished Lecturer*.
- 2014-present, *Editorial Board*, IEEE I&M Magazine.
- 2014-2015, *President and member* of IEEE TAB.
- 2012-2013, *Executive Vice President*.
- 5/2008 and 10/2013, *Elected At-Large Member of the AdCom*.
- 1/2010-7/2013, *Chair*, Fellows Identification Sub-Committee.
- 2013, *General Co-Chair*, IEEE I²MTC Conference.
- 2007-2011, *Editor-in-Chief*, IEEE Transactions on Instrumentation and Measurement.
- 2010-2011, *Vice President* of Education Committee (EdCom).

MAJOR ACCOMPLISHMENTS

My most notable accomplishment has been the revitalization of the *IEEE Transactions on Instrumentation and Measurement*. After my appointment as the EIC, I immediately put in place a number of initiatives to improve the operations and review process, such as setting up a new on-line submission and review process (none existed before), revitalizing the associate editor list, and elevating the expectations for the performance of all involved, including authors, reviewers, administrators, and associate editors. At the end of my five-year term, we had some of the best metrics associated with any IEEE journal. Other notable accomplishments are: a) establishment of a sustainable and proactive Strategic Plan for the I&M Society while serving as the Society Executive VP, and b) establishment of two significant educational Fellowships and Awards (for students and educators) as the VP of Education.

Statement

IEEE is a member-driven international professional community which aims to impact the well-being of all humanity. As a recognizable “brand name”, IEEE represents technical innovation and quality, and as such has a great *value*. Consequently, at every turn, IEEE must set the “tone” and provide “global leadership” on a plurality of issues pertinent to this community.

The six Division II Societies have many common interests and concerns. The Director must be an effective *catalyst* for facilitating meaningful mutual interactions through exchange of “best practices”, educational, technical, scientific, standards and other activities. As a voting member of the IEEE BoD and Assembly, the Director must be *the conduit* that: a) keeps the Societies updated on initiatives and proposed policy changes and seek their feedback, and b) *proactively* communicates with the Societies and brings their concerns to these boards. The Director must actively oppose initiatives and policies that do not serve the best interest of *all* members. The director must *demand* transparency and *accountability* from these boards, on matters related to finances, publications, initiatives and partnerships.

For IEEE Division Delegate-Elect/Director-Elect, 2018
IEEE Division Delegate/Director, 2019-2020
Division IV (APS, BTS, CES, ECS, MAGS, MTTs, NPSS)



JOHN P. VERBONCOEUR

(Nominated by IEEE Division IV)

Associate Dean for Research; and
Professor of Electrical and Computer Engineering
Michigan State University
East Lansing, Michigan, USA
<https://cmse.msu.edu/directory/faculty/john-verboncoeur/>

John Verboncoeur (M'94, SM'08, F'13) received a Ph.D. in Nuclear Engineering from the University of California-Berkeley (UCB) in 1992. Faculty appointments include Associate Research Engineer (UCB-EECS 1996), Professor (UCB-Nuclear Engineering Associate-2001, full-2008, Chair Computational Engineering Science 2001-2010), Professor of Electrical and Computer Engineering at Michigan State University (MSU) 2011+, Professor of Computational Mathematics, Science and Engineering 2015+, Associate Dean for Research 2014+. His research interests are in theoretical and computational plasma physics. He has authored/coauthored over 350 journal articles and conference papers, with over 3500 citations. He is an Associate Editor for *Physics of Plasmas*, and Past President of the IEEE Nuclear and Plasma Sciences Society. Technology startup activities include development of one of the big three consumer credit reports, work on the hardware/software of the US Postal Service Mail Forwarding System, command and control software in the defense sector, computerized exercise equipment, and a pioneering cloud based health care management system.

IEEE Accomplishments and Activities

(M'94-SM'08-F'13)

IEEE/TAB COMMITTEES/BOARDS:

- TABin2030 AdHoc (Chair, 2016)
- TAB Management Committee 2017
- TAB Food Engineering AdHoc (Chair, 2017)

REGION/SECTION/CHAPTER:

- Assisted in the founding of South-Eastern Michigan Nuclear and Plasma Sciences Society Chapter 2015

SOCIETY:

- Nuclear and Plasma Sciences Society President 2015-2016
- Nuclear and Plasma Sciences Society Vice President 2013-2014
- Nuclear and Plasma Sciences Society Nominations Chair 2017
- Fellow (2013) Citation: *For contributions to computational plasma physics and plasma device applications*
- Guest Editor, *IEEE Trans. Plasma Sci. Special Issue* for Plenary and Invited Papers of the PPPS2013
- Guest Editor, *IEEE Trans. Plasma Sci. Special Issue on High Power Microwaves* (2008)

- Reviewer for *IEEE Trans. Plasma Sci.*
- Reviewer for *IEEE Trans. Dielectric and Electrical Insulation*
- Reviewer for *IEEE Trans. Electron Devices*

CONFERENCES:

- International Vacuum Electronics Conference (session chair 2010)
- International Conference on Plasma Science (session organizer 2009-2011, technical area coordinator 2012)
- International Conference on Plasma Science (acting technical program chair 2012)
- International Pulsed Power and Plasma Sciences (technical program co-chair 2013)
- International Power Modulator and High Voltage Conference (technical area coordinator 2014)

IEEE Recent Accomplishments

- As Chair of TABin2030 AdHoc in 2016, successfully led the analysis of, and organized the opposition to, the proposed IEEE Constitutional Amendment
- As Chair of the TAB Food Engineering AdHoc in 2017, leading over 20 societies in the application of technology to food production, processing, and delivery; develop conferences and publications
- As VP of NPSS, repaired rift with EMBS over co-sponsored journal (*Transactions on Medical Imaging*)
- As VP and President of NPSS, worked with EMBS to create new journal (*Transactions on Radiation and Plasma Medical Science*)
- As VP of NPSS, moved several technical committees from appointed to elected status, resulting in broadened volunteer participation in governance
- As President of NPSS, started initiative to improve NPSS journal impact factors using email blasts, editor-select papers, and elimination of page charges

Statement

As an IEEE member/volunteer for 25 years, I understand the technology, networking, leadership, and strategic development opportunities from the academic, government, and industry perspectives. We must evolve our offerings and business model, while maintaining the underlying IEEE ethos: volunteer driven, supported by responsive staff, delivering value to all members through excellent technical, standards-setting, educational, and developmental products and services.

I will be an independent voice of reason in pursuing:

1. Strategic growth: product/service innovation in a rapidly evolving technology landscape leveraging member diversity of technologies and cultures.
2. Financial transparency: leveraging society and academic administrative budget experience of a US\$50M diverse research portfolio, improving IEEE financial clarity is the key to driving sound decisions IEEE-wide.
3. Fairness in governance and policy: safeguard member rights, and volunteer control of the IEEE, while modeling unquestionable ethics.
4. Professional development: emphasize technical and leadership development of members at all levels with top mentors.

Division IV has a strong history as a leader within IEEE, and I would be honored, with your help, to continue that tradition.

For IEEE Division Delegate-Elect/Director-Elect, 2018
IEEE Division Delegate/Director, 2019-2020
Division IV (APS, BTS, CES, ECS, MAGS, MTTs, NPSS)



ELIE K. TRACK

(Nominated by IEEE Division IV)

CEO

nVizix LLC

Stamford, Connecticut, USA

Elie Track is founder and CEO of nVizix LLC, a company that focuses on developing and commercializing a new high efficiency vacuum solar cell. He also continues his lifelong work in superconducting electronics with a focus on commercialization. This included technology transfer of the Primary Voltage Standard designs from NIST to Hypres, Inc., where he was President and CEO (1994-2000), and remained Sr. Partner until recently. He was Visiting Professor of Physics at Fairfield University (2003-2005). He is an IEEE Fellow (2014). Since 1998, he has been Chair and Program Chair of major conferences/workshops in superconductivity, including the 2014 Applied Superconductivity Conference. He was President of the Yale Science and Engineering Association (YSEA, 2007-2010) and chaired the Coalition for the Commercial Applications of Superconductors (CCAS, 2008-2010). He holds a Ph.D. in Physics from Yale University and authored/co-authored 45+ publications in the field.

IEEE Accomplishments and Activities

(S'86-M'87-SM'02-F'14)

IEEE ACTIVITIES:

COMMITTEES/BOARD:

- Member of the TAB Future Directions Committee 2011-2016
- Co-founder and co-Chair of the IEEE Rebooting Computing initiative (started as a TAB initiative and currently a NIC initiative) 2012-present
- Member of the Advisory board for transitioning the Biometrics Council from provisional to permanent status
- Member of the Advisory board for the successful creation and commissioning by TAB of the Council on RF ID 2015-present
- Member of the Advisory board for the IEEE Technology and Engineering Management Society (TEMS) 2016-present

SOCIETY: Council on Superconductivity

- VP-Pubs: 2006-2010; VP (President-Elect): 2006-2010; President: 2011-2014; Treasurer (2015-present)

MAJOR ACCOMPLISHMENTS:

- Co-founded in 2013 the IEEE Rebooting Computing initiative which established, in 2016, the International Roadmap of Devices and Systems (IRDS), the successor to the ITRS roadmap to carry the technology beyond the end of Moore's Law and ensure a central role for IEEE. Successfully demonstrated interdisciplinary success within IEEE which brought twelve IEEE Organizational Units together.
- Initiated and shepherded the system for IEEE members to indicate interest in a particular Council. This is now data that is recorded and allows Societies to determine how many of their members are interested in a given Council (leading to maintaining, adding, or discontinuing their sponsorship).
- Combining his industry and academic experience and knowledge of IEEE, advised (and continues to advise) two Councils and one Society in efficient and relevant operations.

Statement

IEEE is a unique organization successfully promoting information exchange and fostering creativity. Managing diverse constituencies and fields is always a challenge and this is particularly true at IEEE. The result is complexity and differing systems and constraints which lead to inefficiency. Importantly, lack of transparency in the financial operations ensue, to the detriment of IEEE and its stakeholders. Distilling a simple picture is indispensable to improving the efficiency of IEEE. When successful, such distillation brings clarity that is praised by everyone. Achieving such distillation is a difficult task. My goal is to simplify IEEE interactions and operations, including interactions between Societies and Councils within a Division, as well as IEEE financial operations, publications, conferences, and initiatives. With the principle of simplification as a guide the members, volunteers, and staff will focus their ideas and contributions and successfully achieve the goals of simplicity, efficiency, and transparency. My own goal is to be a catalyst for such a change for the better. IEEE is good. Let's make it great!

For IEEE Division Delegate-Elect/Director-Elect, 2018
IEEE Division Delegate/Director, 2019-2020
Division VI (ES, IES, PCS, PSES, RLS, SSIT, TEMS)



GREG ADAMSON, BTechEng, PhD

(Nominated by IEEE Division VI)

Principal
Digital Risk Innovation; and
Associate Professor
Electrical and Electronic Engineering Department
University of Melbourne, Australia
Melbourne, Australia
<https://www.linkedin.com/in/gregadamson/>

Dr. Greg Adamson, Past-President of the Society on Social Implications of Technology, works in financial services, with blockchain and cybersecurity. An Associate Professor in Electrical and Electronic Engineering at the University of Melbourne he has worked with internet technologies since 1991, in government (quarantine, air services, health), and not-for-profits, in Australia, UK, and Asia. He gave the ethics keynote at the World Engineering Conference in Kyoto in 2015. He chairs the IEEE Special Interest Group on Blockchain, the IEEE Internet Initiative (3I) sub-committee on Policy, the IEEE Ad Hoc on Ethics Programs, the TAB Ad Hoc on Ethics for Design, and the IEEE TechEthics program. He initiated the ground-breaking "IEEE conference series on Norbert Wiener in the 21st Century" (Boston 2014, Melbourne 2016). He is a former Victorian Section Chair.

IEEE Accomplishments and Activities

(S'92-M'99-SM'08)

As an IEEE member for 25 years his innovative programs grow membership and engage new communities for IEEE. Recently he initiated the SIG on Blockchain (blockchain.ieee.org) and key activities on ethics. He established the IEEE Conference on Norbert Wiener in the 21st Century with prominent supporters including Amar Bose, Vernor Vinge and Vint Cerf, and the IEEE Conference on Technology & Society in Asia with keynote Infosys founder NR Narayana Murthy. While President of Social Implications of Technology membership growth went from -9% to +6.6%. The Victorian Section grew from 2,000 to 2,200 members while he was chair. In late 2016 he supported a Young Professionals initiative lecturing on ethics and advanced technology to students in Bosnia and Herzegovina.

IEEE COMMITTEES/BOARDS:

- Chair, IEEE Ad Hoc Committee on IEEE Ethics Programs 2017
- Member, Ethics and Member Conduct Committee 2017
- Chair, TAB Ad Hoc on Ethics for Design 2017
- Chair, 3I Ad Hoc Policy Subcommittee 2015-2017
- IEEE MGA Membership Recruitment and Recovery Committee 2017

SOCIETY:

- Social Implications of Technology Vice-President 2013-14, President 2015-2016, Past-President 2017
- SSIT Membership Chair 2011-2013
- SSIT Distinguished Lecturer 2016-present
- Member: Computer, Communications, Women in Engineering, Social Implications of Technology, Industrial Electronics, Education, Technology and Engineering Management, Professional Communication, and Systems, Man, and Cybernetics

CONFERENCES:

- Founding Chair, IEEE Conference on Technology & Society in Asia, Singapore 2012
- Founding Chair, IEEE Conference on Norbert Wiener in the 21st Century, Boston 2014, Melbourne 2016
- Chair, inaugural IEEE Industry Summit on Blockchain, Vancouver 2017

OTHERS:

- Division VI Distinguished Leadership Award 2016
- Chair, IEEE Special Interest Group on Blockchain 2016-2017
- Joint Co-Chair, IEEE Standards Association Digital Inclusion through Trust and Agency Industry Connection Program 2017
- Member Executive Committee IEEE Global Initiative for Ethical Considerations in Artificial Intelligence and Autonomous Systems 2016-2017
- IEEE Public Visibility spokesperson on Blockchain
- IEEE Victorian Section Vice-chair 2010-2011, Chair 2012-2013

Statement

Division VI Societies play a critical role in developing the skills essential to the success of technologists and IEEE today. These skills build trust in the profession through education, management, and communication, quality issues including product safety and reliability, understanding of technology and society, and the application of electronics in industry. As Division Director, I commit to:

- Raise the profile of Division VI Societies to help us play the critical “trust” role we can play in IEEE’s future.
- Help make this theme of “trust” a key part of IEEE’s strategic direction. This includes supporting IEEE’s participation in technical policy development, providing training to members to help them meet their obligations under the IEEE Code of Ethics, and ensuring we meet the needs of rapidly changing technology with enormous impacts on the world around us.
- Continue to develop new initiatives that build a strong volunteer voice in Division VI and IEEE. In particular, encourage a cross-Society solution to the challenge that none of our societies currently have dedicated staff support.

For IEEE Division Delegate-Elect/Director-Elect, 2018
IEEE Division Delegate/Director, 2019-2020
Division VI (ES, IES, PCS, PSES, RLS, SSIT, TEMS)



MANUEL CASTRO, Ph.D.

(Nominated by IEEE Division VI)

Director and Professor
Electrical and Computer Engineering Department
Spanish University for Distance Education (UNED)
Madrid, Spain
http://www.ieec.uned.es/mcastro_ieee/

Manuel Castro received Industrial Engineering degree and Ph.D. from the ETSII/UPM, Spain. He received the Extraordinary Doctoral Award and the Viesgo 1988 Award, and 1999 UNED's Social Council Award. He works in systems applications of simulation, solar system and advanced microprocessor simulation to distance learning applications and systems, acting as senior technical Director.

He is Director of the Electrical and Computer Engineering Department and was UNED's New Technologies Vice-Rector, UNED's Information Services Center Director, Engineering School Research and Doctorate Vice-director and Engineering School Academic Affairs Vice-director. He worked 5 years in Digital Equipment Corporation as senior system engineer. He publishes technical, research and teaching books and articles for journals and conferences and multimedia materials.

He co-chaired FIE 2014 (IEEE-ASEE Frontiers in Education Conference) and REV 2016 (Remote Engineering and Virtual Instrumentations sponsored by IAoE) both in Madrid, Spain. He is co-editor of *IEEE-RITA* (Revista Iberoamericana de Tecnologías del Aprendizaje).

IEEE Accomplishments and Activities

(M'87-SM'94-F'08)

A rich collaborative and engaged life at IEEE combined with other professional engineering societies activities bring my best reference and qualifications. I have been actively involved (and started to push towards sustainability) in leading Student Branch, Section, Chapters and Society, while having a good overview of the IEEE activities in MGA, EA and TA as well as collaborating in other IEEE activities such as Standards and Accreditation.

Keeping in mind the Institute's many accomplishments and diversified needs, a major effort of my volunteer activities has been in the management and sustainability of organizational units and its activities aimed to provide members with professional development opportunities that lead to leadership positions.

COMMITTEES/BOARDS:

- IEEE Technical Activities Board member and IEEE Presidents' Forum member (2013-2014).
- MGA Nominations and Appointments member (2012-2013).

- MGA Geographic Unit Operations Support Committee member (2011-2012).
- MGA vTools Committee member (2011).
- IEEE Sections Congress participant (2011 and 2014).

EDUCATION SOCIETY:

- President of the IEEE Education Society (2013-2014).
- Senior Past President (2017-).
- Junior Past President (2015-2016).
- President-Elect (2011-2012).
- Member at large of the Administrative Committee (2005-2010).
- Board of Governors (2011-2016).

STANDARDS:

- Member of IEEE Standards Association.
- Founding member of the P1876 - Networked Smart Learning Objects for Online Laboratories, Working Group of the IEEE Standards inside the IEEE Education Society.

CHAPTERS/SECTION/REGION:

- IEEE Region 8 Educational Activities Subcommittee Chair (2015-2016).
- IEEE Sections Educational Outreach Committee Member (EAB) (2016).
- IEEE Region 8 Committee Member (2010-2011, 2015-2016).
- Chair of the IEEE Spain Section (2010-2011).
- Chair and Founder of the Spain Chapter of the IEEE Education Society (2004-2006).

STUDENT BRANCH:

- Advisor (2010-2017) and Counselor of the UNED Student Branch (2004-2010).
- Founder of the UNED Student Branch Chapter of the IEEE Education Society (2011).
- Founder of the UNED Student Branch (2004).

Statement

Inside Division VI we must focus on the sustainability of the Societies, Chapters and Student Branch Chapters. Our Chapters are now in a cornerstone, in a general downsize, and increasing the number and the volatility of our Student Branch Chapters (mainly in Region 10) is a new opportunity to develop activities there and engage our members and students in synergy with our Division's vision. Division VI Societies have a vast wealth of expertise in knowledge domains that have common interest across IEEE (ethics, communication, management, reliability, product safety, education), being major source-of-revenue and services such as exploring new service areas like conference co-sponsorship, courses or publications.

We are in a cross-road inside our World; virtual activities, collaborative environments, professional short-term vision, are affecting and changing our IEEE and the way our members expect the relations and evaluate the effectiveness of the provided services.

We need to move forward developing new activities and automatic methods of recognizing using the metaphor of games or MOOCs to improve collaboration in their volunteer work attracting them to the leadership.

**For IEEE Division Delegate-Elect/Director-Elect, 2018
IEEE Division Delegate/Director, 2019-2020
Division VIII (Computer)**



ELIZABETH "LIZ" L. BURD
(Nominated by IEEE Division VIII)

Professor and Pro Vice-Chancellor
University of Newcastle, Australia
Newcastle, Australia
www.LizBurd.com

Liz is Professor and Pro Vice-Chancellor at the University of Newcastle, Australia, and previously Professor of IT and Dean at the University of Durham, UK. From 2005-2011, Liz was the Director of the UK's Centre for Excellence in Computing.

Liz is globally recognized having received 5 University awards for enhancing computing education. She has held research collaborations with IBM, Microsoft, BT, BAE and Logica and received \$12m in funding. Liz has produced over 80 articles and 40 keynotes.

She has represented the Computer Society BoG for 6 years taking roles of VP for EAB and MGA, and from 2014-2015 as the Society's 1st VP.

She has been a member of the IEEE EAB for the last 6 years, currently as EAB's Editor in Chief of Education Products Editorial Board. Liz also sits on TAB's Society and Council Review Committee and its Strategic Planning Committee. For additional details please visit www.LizBurd.com.

IEEE Accomplishments and Activities
(M'94-SM'05)

Activities

COMMITTEES/BOARDS:

- Educational Products Editorial Board Editor-in-Chief 2017-
- Society and Council Review Committee (Member) 2016-
- TAB Strategic Planning Committee (Member) 2017-
- IEEE Awards Board (Member) 2016
- VP CS EAB 2010-2012
- VP CS MGA 2013-2015
- CS 1st VP 2014-2015
- CS 2nd VP 2013
- IEEE Computer Society Board of Governors 2011-2012
- Pre-University Education Committee (Chair) 2011-2013
- EAB Strategic Planning Committee (SPC) (Member) 2011-2012
- Education Portals Committee (Chair) 2014-2016
- IEEE EAB Awards Board (Member) 2013-2014
- IEEE EAB Nominations Committee (Member) 2015

REGIONS:

- Region 8 and 10

SECTION/CHAPTER:

- Currently: Sydney Branch

CONFERENCES:

- Active member (reviewer, steering Committee and program chair) of many IEEE conferences for over 20 years

Liz has demonstrated vision in bringing many major initiatives to fruition, including:

Education initiatives

- TryComputing – www.trycomputing.org
 - Creator and editor
 - Sought money from NIC for setup (2011) and Foundation for enhancements in 2015
 - Currently working with consultants to add new approved lesson plans
 - Currently has over 23 million hits; receives around 30K unique visitors per month
- Spark – www.spark.ieee.org
 - Lead editor of magazine explaining new technology innovation for kids aged 12+
 - Sought money from NIC for setup
 - Has over 64k unique visitors

Membership initiatives

- Membership competitions
 - Animation competition - creating clips of new technology innovations. Very, successful using innovative social media campaign.
 - Lesson planning competition for IEEE Young Professionals
 - Smarter Planet Competition – with Arthur Winston, initiated competition's first round between UK and Boston
- Membership training sessions – China, Germany, Australia, UK

Statement

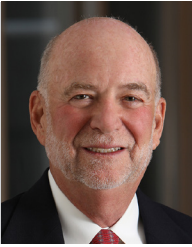
The role of professional associations is being disrupted; there is no longer limited access to learned information; it's so plentiful it's difficult to assess its quality and reliability. The "open" community, including MOOCs and new publishing models pose challenges and opportunities. The IEEE has been slow to respond but if elected I will get the IEEE to think more strategically for its members, societies and generally for its own advancement.

Societies are the strength of the IEEE. I believe shaping personalized membership and strong collaboration between societies and between the IEEE 'motherhood' are our crucial.

My extensive regional interaction has demonstrated Regional needs differ. If elected, I will promote more effective ways to support localized professional development, seek more effective ways for members to engage with the IEEE worldwide, and enable more networking opportunities to support industry, academic and interdisciplinary engagement with local and international community building.

Thus, I intend to demonstrate the value of societies and help the IEEE capitalize on its strengths so that the value of membership is better realized.

For IEEE Division Delegate-Elect/Director-Elect, 2018
IEEE Division Delegate/Director, 2019-2020
Division VIII (Computer)



SOREL REISMAN

(Nominated by IEEE Division VIII)

Managing Director MERLOT
California State University Office of the Chancellor
Long Beach, California, USA; and
Professor of IS, California State University, Fullerton
Fullerton, California, USA
<http://tinyurl.com/S-Reisman>

Sorel Reisman is Managing Director of the international, higher education consortium MERLOT at the CSU Office of the Chancellor, and Professor of IS at CSU Fullerton. He has held senior management positions at IBM (Canada & US), Toshiba (US), and EMI (UK). He has presented/published 90+ articles including the books *Multimedia Computing: Preparing for the 21st Century*, and *Electronic Learning Communities – Current Issues and Best Practices*. He is president emeritus of the Computer Society, a Senior IEEE member, Computer Society Golden Core member, member of Eta Kappa Nu, served on 3 different IEEE boards, and recently completed a second elected term on the board of the Open Education Consortium (formerly OCWC). He serves on a number of IEEE and non-IEEE journal editorial boards. Reisman received his EE degree, and MA, and PhD in Computer Applications from the University of Toronto. Appointed a Fulbright Specialist in December, 2014.

IEEE Accomplishments and Activities

(AF'98-M'06-SM'08)

- Computer Society President (2011)
- Appointed many CS committee chairs and VPs – including VP of EAB
- Member of TAB (2011), EAB (2014-Present), PSPB (2014-Present)
- Standing Committee (CEO) of Computer Society signature conference, COMPSAC (2016-Present)
- Decades-long Computer Society volunteer; chaired/served on many CS committees, including VP Electronic Products and Services, VP Publications, 2010 President-Elect, 2011 President, 2012 Past President
- Created/negotiated innovative/proactive intersociety activities/programs/MOUs with ACM, Computer Society of India, Information Processing Society of Japan, Brazilian Computer Society, Chinese Computer Federation, and Italian Computer Society, bringing them closer to IEEE. Met IEEE sections/chapters around the world, promoting IEEE membership programs/activities.
- “Invented” CS Special Technical Communities (STCs), online, collaborative

special interest group structure – now a major CS initiative.

- Member-at-Large - CS Publications Board for many years; Chair of Magazines Operations Committee for 2, two-year terms. Chaired many EIC searches and served on editorial boards of *Software*, *Multimedia*, and *IT Pro*. Instrumental in launching latter two; currently chair of *IT Pro* Advisory Board. As CS Publications VP (2008, 2009) oversaw planning/launching of *Transaction on Affective Computing*. Initiated CS's anti-plagiarism committee/policies/practices adopted/incorporated by IEEE. Initiated CS's exploration/incorporation of CSDL into Xplore. Oversaw evolution of CS's print products to mobile and digital-only.
- EAB (2012-2016) – Continuing Education Committee, TAB representative, member-at-large; EIC of IEEE eLearning Library Board.
- Member-at-Large, IEEE PSPB (2016-Present); member of Strategic Planning Committee, developing new IEEE Publications Board Strategic Plan (2014-2016); PSPB Nominations Committee (2017)
- Member xPlore Requirements Ad Hoc Committee (2016-Present)
- Member Computer Society 40th Anniversary Planning Ad Hoc (2016)
- Member Computer Society Future of Education Ad Hoc (2017)
- Member IEEE Conference Publishing Committee (2017)
- Education Society member – co-creator/co-chair of CS-sponsored Computing Education track - TALE Conference (2015-Present)
- Created IEEE Computer Society and IEEE Education Society-endorsed CSAB-aligned, MERLOT Open Education Resource digital repositories in Computer Science and Information Technology/Systems.

Statement

It's just not working anymore! The professional society model that IEEE's been following for decades is becoming increasingly irrelevant to the international community of young computer professionals. We can't keep offering the same kinds of programs, offsetting our colleagues' declining interest by tinkering at the edges of those programs, incrementally increasing annual dues.

We must get serious about: challenges of social networking; political implications of a global economy; groundbreaking changes taking place in academia; and the real implications of the "exciting" technologies that we, as individuals and as a profession develop, promote, and sponsor.

Getting serious means re-engineering who we are and what we do. And that's not reorganizing, as we tried to do last year. It means getting creative about what to do to survive and serve the needs of young and future technologists. It means electing experienced and knowledgeable people – like me – who have demonstrated that we can critically examine organizational entities, policies, practices, products, and services, and work with volunteers and staff, to develop solutions to meet 21st Century challenges.

For IEEE Division Delegate-Elect/Director-Elect, 2018
IEEE Division Delegate/Director, 2019-2020
Division X (CISS,CSS, EMBS, PHOS, RAS, SMCS)



JOHN R. VIG

(Nominated by IEEE Division X)

Consultant
ECS Federal
Colts Neck, New Jersey, USA

John Vig was born in Hungary. His family emigrated to the USA when he was a teenager. He received his B.S. from the City College of New York and the Ph.D. in Physics from Rutgers - The State University, both in the USA. He joined the Electronic Components Laboratory at Fort Monmouth, NJ, USA and spent his professional career there working as an electronics engineer and program manager. He performed and led research aimed at developing precision clocks, sensors and low-noise oscillators.

He is an IEEE Life Fellow *"for contributions to the technology of quartz crystals for precision frequency control and timing."*

He holds 55 patents, has published more than 100 papers and nine book chapters, and his publications have been cited >4000 times. He serves on his county's Environmental Council as a volunteer. He and his wife are avid ballroom dancers.

IEEE Accomplishments and Activities
(M'72-SM'84-F'89-LF'08)

IEEE Leadership Roles

- IEEE President & CEO, 2009
- Vice President, Technical Activities, 2005
- Founding President, Sensors Council, 2000-2001
- General Co-chair, IEEE SENSORS 2012 conference, Taiwan
- Vice President, Publications, Sensors Council, 2014-2015
- Chair, Executive Director Search Committee, 2009
- Chair, IEEE 125th Anniversary AdHoc Committee, 2008-2009
- Chair, IEEE New Initiatives Committee, 2008
- Chair, IEEE Nominations and Appointments Committee, 2011
- Chair, TAB Management Committee, 2005
- Chair, TAB Strategic Planning Committee, 2004
- Chair, Standards Coordinating Committee 27 on Time & Frequency
- Cofounded the *IEEE Internet of Things Journal*, 2011-2014
- President, Ultrasonics, Ferroelectrics, and Frequency Control Society (UFFC-S), 1998-1999

Other IEEE Services

- AdCom Member Emeritus (for life); elected by UFFC-S AdCom in 2012
- Associate Editor, *IEEE Transactions on UFFC*, 2002 to 2017
- Senior Editor, *IEEE Sensors Journal*, 2006 to 2017
- Conference Publications Committee, 2015-2017
- Periodicals Review and Advisory Committee, 2017
- MGA Geographic Unit Operations Support Committee, 2014-2015
- MGA Nominations & Appointments Committee, 2014-2015
- TAB Hall of Honor Selection Committee, 2015-2017
- IEEE History Committee, 2015-2017
- IEEE Strategic Planning Committee, 2008

IEEE Accomplishments

- Founded the IEEE Sensors Council and, thereby, made IEEE a leader in an area where, previously, a commercial publisher was the primary publisher. Today, the Council has a successful journal, the *IEEE Sensors Journal*, and a successful conference, IEEE SENSORS (600,000 Sensors Journal papers were downloaded in 2016).
- Proposed and championed one of the most successful membership benefits in IEEE history, the eBook Classics. Started in 2010, members have downloaded millions of eBook chapters. Because of this program, per <http://goo.gl/N9gShn>, "IEEE members now have (free) access to 329 eBooks from the IEEE Press collection through *IEEE Xplore*."
- Proposed and led the creation of the IEEE Presidents' Change the World Competition. This annual competition motivated and rewarded students who identify a real-world humanitarian problem and apply engineering, science, computing, and leadership skills to solve it. The top prize was US\$10,000.

Statement

IEEE is a superb organization thanks to the efforts of its excellent volunteers and staff. As a director, I shall strive to make IEEE even better by focusing on:

- **Investing** – IEEE's reserves are now >US\$300M. We can afford to increase investments in improving the image of engineers, scientists, and the IEEE, and in products and services such as affordable means for providing multimedia of conference presentations, online, to a worldwide audience.
- **Publications for Practitioners** – We must create more publications for the ~70% of members who work outside academia.
- **Reducing Secrecy** – Secrecy has increased greatly during the past few years. More and more meetings are held in secret ("executive session"), and more and more documents are marked "IEEE Proprietary" or "IEEE Confidential." I shall work to reverse this trend.

I have >30 years of leadership experience in a wide range of IEEE positions. Having chaired the Board of Directors and having previously served as VP, Technical Activities, I know how to get things done. I have a proven record of producing changes.

Please vote!

For IEEE Division Delegate-Elect/Director-Elect, 2018
IEEE Division Delegate/Director, 2019-2020
Division X (CISS, CSS, EMBS, PHOS, RAS, SMCS)



LJILJANA TRAJKOVIC

(Nominated by IEEE Division X)

Professor
Simon Fraser University
British Columbia, Canada
<http://www.ensc.sfu.ca/~ljilja/>

Ljiljana Trajkovic received the Dipl. Ing. degree from University of Pristina, Yugoslavia, M.Sc. degrees in both Electrical Engineering and Computer Engineering from Syracuse University, NY, and Ph.D. in Electrical Engineering from the University of California at Los Angeles. She was a Member of the Technical Staff at AT&T Bell Laboratories, Murray Hill, NJ, from 1988 to 1990 and a Research Scientist at Bell Communications Research, Morristown, NJ, from 1990 to 1997. From 1995 to 1997, she was a National Science Foundation (NSF) Visiting Professor in the Electrical Engineering and Computer Sciences Department, University of California, Berkeley.

Her research interests include communication networks, computer-aided circuit analysis and design, and theory of nonlinear circuits and dynamical systems. Her personal interests focus on the need for global inclusion and diversity created by the rapid growth of new innovative technologies.

IEEE Accomplishments and Activities

(S'79-S'80-M'80-M'82-S'83-M'85-S'86-M'86-SM'95-F'05-LF'15)

COMMITTEES/BOARDS:

- TAB Hall of Honor Selection Committee (2016-2017)
- TAB Nominations and Appointments Committee (2017, 2013-2014)
- IEEE Fellow Committee (2017, 2011-2014)
- TAB (2014-2015, 2007)
- TAB Periodicals Review and Advisory Committee (2013)

SECTIONS/CHAPTERS:

- Chair, Vancouver CAS Society Chapter (2001-2017)
- Vice-Chair (2010-2017), Chair (2010), Vancouver SMC Society Chapter
- Mentor, SFU Student Branch (2008-2017)

SOCIETIES:

- Systems, Man, and Cybernetics (SMC) Society:
 - President (2014-2015)
 - Vice President Publications (2012-2013, 2010-2011)
 - Vice President Long-Range Planning and Finance (2008-2009)
- Circuits and Systems (CAS) Society:
 - President (2007)
 - Chair, Long-Term Strategy Committee (2005)
 - Distinguished Lecturer (2010-2011, 2002-2003)

CONFERENCES:

- Special Sessions Co-Chair, SMC2017

- Technical Program Co-Chair, SMC2017 and SMC2016 BMI Workshops, NEWCAS 2016, CCECE2016, ISCAS2005, ISCAS2004
- General Co-Chair, SMC2016, ETHICS2016, WIECon-ECE2015, HPSR2014, ISCAS2004

PUBLICATIONS:

- *IEEE/CAA Journal of Automatica Sinica* Steering Committee (2014-2017)
- Associate Editor, *IEEE Transactions on Circuits and Systems* (Part I) (2004-2005, 1993-1995), (Part II) (2002-2003, 1999-2001)
- Associate Editor, *IEEE Circuits and Systems Magazine* (2001-2003)

AWARDS:

- IEEE Vancouver Section Recognitions: CAS Society Chapter (2017, 2014, 2013); 2012 Centennial Volunteer Award; 2010 Outstanding Service Award
- 2015 IEEE-Eta Kappa Nu, Induction
- 2015 IEEE Canada E. F. Glass Western Canada Merit Award
- 2014 IEEE CAS Society Regions 1-7 Chapter of the Year Award
- 2013 IEEE SMC Society Outstanding Contribution Award
- 2012 IEEE CAS Society Meritorious Service Award
- 2005 IEEE Fellow

MAJOR ACCOMPLISHMENTS:

- Improved technical quality of SMC Society and CAS Society annual conferences.
- Changed titles of SMC Society Transactions, launched *Transactions on Computational Social Systems* and *SMC Magazine*.
- SMC Society Periodicals Review (2011), CAS Society Review (2008), CAS Society Periodicals Review (2007).
- Included Young Professionals (formerly known as GoLD "Graduates of the Last Decade") representatives on the CAS Society Board of Governors.
- Improved CAS Society DLP program, introduced student travel awards, chapter subsidy, major projects grants.

Statement

In a global environment increasingly affected by technological change, IEEE is in a unique leadership position. I have spent the past 25 years interacting with the global IEEE community. I have interacted with IEEE members and leaders who share a vision of what we can achieve when we work together by:

- Promoting technical, geographical, gender, and age diversity of IEEE membership, including Division X.
- Encouraging technical excellence by supporting joint publications, conferences, and workshops through collaborations among Division X Societies and Councils.
- Supporting interactions with broader technical communities, industrial partners, and educational institutions with common research interests of special attraction to Division X.
- Providing additional support for Division X Societies and Councils to participate in IEEE Initiatives such as Big Data, Brain, Smart Cities, Smart Village.
- Inspiring a new generation of innovators and contributors to address new demands in emerging technical fields of interest to Division X.

If elected, I will serve with diligence and integrity and will devote expertise, energy, and time to contribute to the advancement of IEEE, Division X, and their members.

For IEEE Division Delegate-Elect/Director-Elect, 2018
IEEE Division Delegate/Director, 2019-2020
Division X (CISS, CSS, EMBS, PHOS, RAS, SMCS)



OKYAY KAYNAK
(Nominated by Petition)

Professor Emeritus (UNESCO Chair On Mechatronics)
Department of Electrical and Electronic Engineering
Bogazici University
Istanbul, Turkey
www.OkayKaynak.com

Kaynak is an IEEE Life Fellow, active in various ways in most IEEE Societies of Division X. He received the B.Sc. (First Class) 1969, Ph.D. 1972, both from University of Birmingham, UK. From 1972-1979, he had various positions in industry, both in and outside of Turkey. Since 1979, he has been with Bogazici University, his responsibilities include Chairperson of EEE and CmpE Departments, Director of Biomedical Engineering Institute and Director of Mechatronics R&A Center. He has held long-term visiting positions in United Kingdom, Saudi Arabia, Japan, Germany, USA, Singapore and lastly China as a 1000 Talent Professor of HIT, China.

In 2016 he received the China Friendship Award and the Humboldt Research Prize. Current research interests are in intelligent mechatronics and CPS. He has published more than 400 conference papers and journal articles (Hirsch-index: WoS 33, Google Scholar: 48), and serves on several scholarly journal Editorial or Advisory Boards.

IEEE Accomplishments and Activities (M'80-M'83-SM'90-F'03-LF'16)

IEEE Activities:

COMMITTEES/BOARDS:

- MGA Vice-Chair for Strategic Management and Analysis (2012)
- Vice-Chair of MGA
 - Strategic Directions & Environmental Analysis Committee (2011)
- Member of
 - TAB PSPB Committee (2017)
 - Conferences Committee (2010-2011)
 - TAB Periodicals Committee (2009-2010)
 - TAB Nominations & Awards Committee (2007-2008)
 - Fellow Committee (2004-2005)
 - MGA Membership Development Committee (2006)

SECTION/CHAPTER:

- Chair, Turkey Section (2011)
- Founding Chairperson of SMCS, ES and IES/RAS Joint Chapters in Turkey Section

SOCIETY:

- Member of Board of Governors of IEEE SMCS (2016-present)

- Vice-President (Conferences) of IEEE CIS (2004-2005)
- President of IEEE Industrial Electronics Society (2002-2003)
- AdCom Member of IEEE Neural Networks Society (2002-2003)

IEEE PUBLICATIONS:

- Editor-in-Chief of
 - *IEEE/ASME Transactions on Mechatronics* (2014-2016)
 - *IEEE Transactions on Industrial Informatics* (2005-2006)
- Co-Editor in Chief of *IEEE Transactions on Industrial Electronics*
- Associate Editor of
 - *IEEE Transactions on Sensors* (2006-present)
 - *IEEE Transactions on Neural Networks* (2002-2005)
- Member of Editorial Board of
 - *IEEE Spectrum* (1996-1998)
 - IEEE Press (1995).

AWARDS:

- IEEE/IES Dr.-Ing. Eugene Mittelman Achievement Award, 2011
- IEEE/IES Anthony J. Hornfeck Service Award, 2005
- IEEE Fellow Grade, 2003
- IEEE Third Millennium Medal, 2000.

IEEE Accomplishments:

- Unified and led a group of IEEE and ASME volunteers in the start of *IEEE/ASME Transactions on Mechatronics*.
- Was the leading person in the group who conceived, designed and implemented *IEEE Transactions in Industrial Informatics*.
- Has helped to increase the global outreach of CIS in the form of conferences.
- During his term as Vice-Chair of IEEE MGA Board, led a group of IEEE volunteers who worked towards the development and the implementation of new products and services to better serve its members and the public, especially in the Far East.

Statement

We are witnessing tremendous advances in science and technology. The boundaries between different disciplines are eroding, the connections between them is becoming seamless. The most notable changes are taking place at the edge of the different disciplines; convergence is leading to the emergence of new disciplines. A further change is that the world is becoming flatter.

If elected, I will strive to:

- Contribute to the design, the implementation and the deployment of new initiatives that will turn what may be considered as threats of today into opportunities
- Help IEEE develop and implement new products and services to better serve its members and the public, especially in the Far East
- Develop an IEEE-wide a strategy for increasing the involvement of industrial practitioners and researchers in IEEE in the form a "Triple Helix of IEEE, Industry and Academia Towards Knowledge Generation"
- Last but not least, listen to ideas and opinions from TAB Societies and Councils (especially from those of Div. X), and evaluate and carry them to the General Assembly.

For IEEE Region Delegate-Elect/Director-Elect, 2018-2019
IEEE Region Delegate/Director, 2020-2021
Region 1 (Northeastern USA)



ALI ABEDI

(Nominated by IEEE Region 1)

President and CTO, Activas Diagnostics LLC; and
Professor of Electrical and Computer Engineering
University of Maine
Orono, Maine, USA

<https://www.facebook.com/Abedi4IEEE/>

Ali Abedi is Professor of Electrical and Computer Engineering and Director of Center for Undergraduate Research at the office of VP Research, University of Maine, Orono. Ali served as Principal Investigator on several NASA, Army, and NSF funded projects including Wireless Sensing of Lunar Habitat and Ultrasonic Leak Detection and Localization for the International Space Station. He received his BSEE and MSEE from Sharif University of Technology in 1996 and 1998, followed by PhD degree in Electrical and Computer Engineering from University of Waterloo in 2004. He held visiting researcher appointments at Queens University (2004), University of Maryland (2012), NIST (2012) and NASA (2016). Dr. Abedi is Co-founder/CTO of Activas-Diagnostics company a pioneer in non-invasive brain injury detection, co-author of over 90 publications in IEEE Journals and Conference Proceedings including 7 books and 2 awarded patents. He received several awards and recognitions from NSERC, JSPS, CSA, IEEE, and NASA.

IEEE Accomplishments and Activities

(S'98-A'98-S'00-M'04-SM'07)

COMMITTEES: MGA Ad Hoc Conferences (2012), Member Benefits (2012), CLE (2012-13), VOLT (2013-14), GUOS (2014-15), USA PACE (2014-15).

REGION: Chapters Coordinator (2009-11), Student Conference Chair (2006), Paper Contest Chair (2012 and 2017), PACE Coordinator (2014-15).

SECTIONS/CHAPTERS: COM/CS Joint Chapter: Founding Chair (2005-08, 2013-17), Chapter Treasurer/Webmaster (2005-17); Maine Section: Student Activities (2011), Section Chair (2008), Vice-Chair (2007, 2016-17), Secretary (2006, 2015).

STUDENT BRANCHES: Kitchener-Waterloo (Canada) Distinguished Visitor Program Student Chair (2002-04); Sharif University Student Chapter (Iran) newsletter volunteer (1996-98).

SOCIETIES: Associate Editor *IEEE/KICS Journal of Communications and Networks JCN* (2013-16), Editor *IEEE Sensors Journal Special Issue* (2013-14),

Lead Guest Editor *IEEE/KICS JCN Special Issue* (2013-14), IEEE COMSOC North American Board (2014-17), Associate Editor *IEEE RFID Journal* (2016-Present).

CONFERENCES: General Co-Chair IEEE Northeast Industry Day (2010), Chair IEEE Fly By Wireless (2010), General Co-Chair IEEE WiSEE (2013), TPC Co-chair IEEE WiSEE (2014-17), Publications Chair IEEE Globecom 2014, Track-Chair IEEE PIMRC 2014, Tutorials Co-Chair, IEEE VTC 2015.

OTHERS: Facilitated/organized several Student Professional Activities conferences in Maine Chapter (2005-17), presented 23 invited lectures in various sections around the world.

Major accomplishments:

1. Chaired largest (first time in Maine) student conference in R1 in 2006 with over 150 participants. Raised US\$25,000 to support the conference. Received RAB Friend of IEEE Award in 2006.
2. Revitalized Maine Chapter of COM/CS in 2005 after years of inactivity and increased the events frequency from 0 to 6/year. Received COMSOC Best North American Chapter Chair Award in 2007.
3. Participated at IEEE-USA Science and Technology Day at US Congress (2008-16).
4. Managed to build two mazes for the R1 uMouse Conference at UMaine (2006, 2012).
5. Created IEEE Fly By Wireless Workshop (2010-11) and grow it to IEEE WiSEE Conference by bringing NASA, ESA, and CSA together (2013-17). Received IEEE R1 Award for this activity.

Statement

Working at both academic and industry settings prepared me for a balanced contribution to IEEE. Member retention is my high priority, which can be achieved by delivering new benefits in innovative ways such as: hybrid online and physical lectures; moderated panels and tutorials on hot technical topics; and job creation and networking opportunities to provide direct value to our members. I will focus on members' and volunteers' needs equally and rethink the way local chapters used to provide value. Modern communication technologies can facilitate chapters' collaborations to provide enhanced value for members. I served IEEE in different capacities in both technical and regional levels, and the industry as principal investigator on several funded research projects and member of Board of Directors. These experiences are used to efficiently manage the IEEE budget to the advantage of members. High quality theoretical and applied publications need to be equally emphasized to support industry and academia according to IEEE Strategic Plan by promoting continuing educational activities, student activities, and public awareness.

For IEEE Region Delegate-Elect/Director-Elect, 2018-2019
IEEE Region Delegate/Director, 2020-2021
Region 1 (Northeastern USA)



EDUARDO F. PALACIO

(Nominated by IEEE Region 1)

President
P&L Technical Management Solutions
Stony Brook, New York, USA

Ed Palacio has 40 years of experience in directing development and production of complex military electronic systems. He has held P&L responsibility at the Business Unit and Sector levels, as well as functional lead positions in Program Management, Engineering and Operations. Currently he is President of P&L Technical Management Solutions, a Small Business focused on technology, program, and business development for the military and civilian market. Prior to this, he was VP of Program Management and Business Operations for ITT/Exelis Electronic Systems. Before joining ITT, Ed was VP of EDO Corporation's Electronic Warfare Sector. He has been a member of multiple advisory boards in academia and professional organizations and currently teaches at Stony Brook University's Department of Technology and Society. Ed holds a BEE from the Cooper Union School of Engineering and Science and two MS degrees in Electrical Engineering and Technology Management from the Polytechnic Institute of New York.

IEEE Accomplishments and Activities

(S'73-M'79-S'81-M'82-SM'90)

Offices and Committees:

IEEE:

- Center for Leadership Excellence 2015
- Nominations and Appointments 2008-2010
- Tellers Committee 1996-2002 (Chair 2001/2002)

Member and Geographic Activities Board/Regional Activities Board:

- MGA Vice-Chair 2008/2009, 2016/2017
 - Chair: Member Development/Member Engagement and Life Cycle 2016/2017
 - Chair: Strategic Direction and Environmental Assessment 2008/2009
- Member Benefits and Portfolio Advisory 2014/2015
- RAB Vice-Chair 2006/2007 and 2004/2005
 - Chair: RAB/TAB Sections/Chapters Support 2006/2007
 - Chair: Student Activities 2004/2005

Region:

- R1 Student Activities Coordinator 2000-2003
- R1 Council Chair 1995
- METSAC: Chair 1994, Treasurer 1995

Section:

- Long Island Section: Chair 1993-1995, Vice-Chair 1991-1993

Awards:

- Long Island Section Harold Wheeler Award *"for Exemplary Leadership in the Development of Electronic Warfare Systems"* (2016)
- Long Island Section Alex Gruenwald Award *"for strengthening the professional development of engineers"* (1999)
- Region 1 Award for Leadership (1996)

IEEE Volunteer Accomplishments:

Given the nature of IEEE volunteer work, accomplishment comes in committees with many people contributing to the final goal. I have been very fortunate to chair various committees where significant accomplishments have occurred. The 2016 MELCC was able to instill processes that moved SAC, YP and WIE towards a data driven process that linked program and initiatives to direct member satisfaction gaps and needs. The 2008/2009 Strategic Direction Committee established a Balanced Scorecard process that moved MGA Strategy to MGA programs and initiatives by using "I, as a member of the IEEE..." to express our envisioned future and drive our actions. The 2004/2005 Student Activities Committee established the IEEEExtreme 24-hour Programming Competition, now an extremely successful Institute-wide event. Lastly, during my term on the ELECTRO Board of Directors, that Board brought to a close an ELECTRO show that was neither member focused nor financially viable.

Statement

A Regional Director has two very distinct responsibilities. On the one hand, the Director's job is to lead the activities of his/her Region and Local entities towards providing the member with a satisfying experience and a perception that true value is being provided for their annual fee. Our membership is quite varied and diversity is our strength, however, that diversity demands that we understand our memberships' wants, desires and needs to be able to properly address their value proposition. On the other hand, by the very nature that he/she sits in Institute-wide governing boards, the Director must act as a steward of the IEEE, and in those instances, must act on the side of what is best for the IEEE as a whole. I believe that my industry experience as a Senior Executive, coupled with my broad view of the IEEE, give me the perspective to address both roles successfully.

For IEEE Region Delegate-Elect/Director-Elect, 2018-2019
IEEE Region Delegate/Director, 2020-2021
Region 3 (Southern USA)



JILL I. GOSTIN

(Nominated by IEEE Region 3)

Principal Research Scientist
Deputy Director, Information and Communications
Laboratory (ICL)
Georgia Tech Research Institute (GTRI)
Atlanta, Georgia USA
www.jgostin.wordpress.com

Jill Gostin received her MS in Applied Mathematics from the Georgia Institute of Technology and has worked at GTRI since 1985. Her work has focused on algorithm assessment, software test and evaluation, and radar systems and software. Her numerous publications, multiple service and technical awards, and management of large programs all contributed to her achieving the positions of Principal Research Scientist and Deputy Director of ICL. Ms. Gostin's extensive volunteer activities include STEM outreach and frequently serving as a panelist for discussions on women's roles in technology fields. In 2016 she was named the Georgia Women in Technology Woman of the Year for mid-size businesses, an award recognizing women technology executives for their accomplishments as leaders in business, as visionaries of technology, and who make a difference in their community. She currently serves as the IEEE Computer Society lead for the IBM Watson Artificial Intelligence XPRIZE competition.

IEEE Accomplishments and Activities

(M'07-SM'07)

- Served as Project Manager for the Region 3 Volunteer Integration Process (VIP) Project during its first two years. The on-going project automates the process of providing training and support to volunteers in a new role, providing start-to-end training tailored to each position and each volunteer. Training options include job descriptions, a calendar, automated reminders, links to online resources, a mentor, etc.
- Working with the MGA Training Committee to review the Center for Leadership Excellence content, update the website, and provide Action Plans for key leadership roles.
- Developed and began implementation of a process for evaluating MGA Awards. Defined extensive metrics, gathered from multiple sources, to improve the awards process.
- For the Computer Society, contributed to a Chapter of the Future model, and developed and presented a Webinar on Chapters to a world-wide audience of members and volunteers.

COMMITTEES/BOARDS

- Women in Engineering, Computer Society Representative (2016)
- MGA Geographic Unit Operations Support (2015-2016), Awards (2013-2017)
- TAB Awards (2015-2016), TAB Member Benefits (2015-2016)

- IEEE-USA Awards (2013-2015, 2017)

REGIONS

- R3 Awards Chair (2013-2015), Volunteer Integration Process Project Manager (2014-2015), Leadership Development / Regional Support Chair (2016-2017), Leadership Training Chair (2016-2017), Conferences Committee (2013-2014)

SECTIONS/CHAPTERS

- Atlanta Section Chair (2012-2013), Vice Chair (2010-2011), Treasurer (2007-2009), MD Chair (2010-2011), Student Branch Coordinator (2011)
- Atlanta Computer Society Chapter Chair (2012-2013)

SOCIETIES/COUNCILS

- Computer Society (CS) Board of Governors (2014-2016, 2017-present), CS Member and Geographic Activities Board (2014-2016, 2017-present), Election Chair (2014), Representative to Sensors Council (2014), Nominations Committee (2015, 2017), Portfolio Review Committee (2016-2017), Representative to WIE (2016)
- Sensors Council VP Finances (2017-present), Treasurer (2015-2016), Finance Committee (2015-2017), Member Society Relations Committee (2014-2016), Distinguished Lecturer Committee (2015), TrySensors.org AdHoc Chair (2017)

CONFERENCES

- Treasurer, SENSORS '16, SENSORS '17, ISOEN '17, VCACS '17
- General Chair, Atlanta SmarTech Metro Area Workshop (2013)
- Administrative Chair, AESS RadarCon 2012
- Tutorials Chair, SoutheastCon 2009

Statement

As Director, I want IEEE to help others as it helped me: in achieving technical and leadership success, expanding professional and personal networks, and providing opportunities for service and outreach. I envision Region 3 becoming an increasingly essential part of each members' technical and professional achievements through strong and well-supported local Sections that are responsive to our members' needs and interests. Strategies toward that end will include:

- Expanding Member Engagement / Student Activities by providing STEM event resources, including activity descriptions with materials needed and cost estimates, and creating a model for implementing Technical Projects and adding a new Technical Project award
- Improving Section Support by providing resources and methods for sharing meetings and speakers across Sections
- Creating online resources for Section Professional Activities, and developing a Professional Activity Workshop model

I will focus on the ever-changing needs of our members, will work to ensure that our volunteers have the tools they need to support our members, and will be an advocate for our members at all times and at all levels within IEEE.

For IEEE Region Delegate-Elect/Director-Elect, 2018-2019
IEEE Region Delegate/Director, 2020-2021
Region 3 (Southern USA)



JOHN KENNETH "KEN" PIGG

(Nominated by IEEE Region 3)

Lead Engineer
Duke Energy
Raleigh, North Carolina, USA
<http://www.kenpigg.com/>

Ken Pigg received his B.S. degree in Electrical Engineering from Oklahoma State University and is a licensed Professional Engineer in the state of Tennessee.

He has more than twenty years of experience in the design of nuclear power plants and industrial facilities, including design of one of the first "soft controls" systems installed in an American nuclear power plant. Ken also has ten years of experience on the business side of technology. He has worked in sales / sales engineering for power distribution equipment, industrial controls, and information technology systems. Ken is currently working on a team that is overseeing the development of new, next generation nuclear power plants.

Ken has also served in other volunteer leadership roles including vice-president of the Oklahoma Society of Professional Engineers, treasurer of a private school, and treasurer of a home owners association.

IEEE Accomplishments and Activities
(S'74-M'76-M'85-SM'03)

COMMITTEES/BOARDS:

- EAB voting member – 2014 & 2015
- EAB Continuing Education Committee Chair – 2014 & 2015
- EAB Continuing Education, Products and Services Subcommittee Chair – 2013
- EAB Awards and Recognition Committee – 2014 & 2015
- EAB Section Outreach Committee – 2012 and 2013
- MGA Allocations and Expenses Ad Hoc Committee – 2011
- MGA Conferences Ad Hoc Committee – 2011
- TAB Conference Publications Committee – 2011
- IEEE Conferences Committee – 2012, 2013, 2014, and 2015
- IEEE Conferences Committee, Helping Geo Units Understand Ad Hoc – 2014
- IEEE Conferences Committee, Future Conference IP Ad Hoc – 2015 & 2016
- MGA Student Activities Awards Subcommittee – 2015 & 2016
- IEEE MOVE Project Treasurer – 2016 & 2017

REGIONS:

- Region 3 Treasurer – 2016, 2017
- Region 5 Treasurer – 2006, 2007, & 2008
- Region 5 Webmaster – 2004 & 2005
- Region 3 Educational Activities Chair – 2012 & 2013
- North Carolina Council Treasurer – 2013

SECTIONS/CHAPTERS:

- Eastern North Carolina Section Chair – 2013 & 2014
- Eastern North Carolina Section Treasurer – 2012, 2015
- Oklahoma City Section Chair – 2003
- Oklahoma City Computer Society Chair – 2001 & 2007

CONFERENCES:

- Region 5 Conference Registration Chair – 2004
- Region 5 Conference Webmaster – 2004

OTHERS:

- Sections Congress, Primary Delegate – 2002 & 2014

IEEE AWARDS:

- IEEE Eastern North Carolina Section Leadership Excellence Award
- IEEE Eastern North Carolina Joint PES/IAS Chapter Outstanding Engineer Award
- IEEE Eta Kappa Nu Honor Society (IEEE-HKN)

Statement

We need membership growth to remain healthy. Members and prospective members must see value from their membership.

We must do a better, more consistent job of engaging members at the local level. We need to develop new, innovative ways of engaging members.

We need to do a better job of executing section operations. This takes local volunteer leaders that understand what needs to be done and they have resources to help get it done efficiently. Efficient tools will also help with the recruitment and retention of new volunteer leaders.

Students are the future of IEEE. We need to get them more engaged, especially with the local section so they see the value of membership after they graduate. My priorities as Region 3 director:

- Explore, promote, and facilitate better ways to engage members at the local level
- Identify and advocate for better tools for section operations
- Work to get more section volunteer leadership positions filled
- Get student branches more engaged with their local section and strengthen those relationships

For IEEE Region Delegate-Elect/Director-Elect, 2018-2019
IEEE Region Delegate/Director, 2020-2021
Region 5 (Southwestern USA)



TIMOTHY R. WEIL

(Nominated by IEEE Region 5)

Network Project Manager
Alcohol Monitoring Systems
Littleton, Colorado, USA
<http://weilieee.org>

Tim Weil is a Network Project Manager with Alcohol Monitoring Systems in Littleton, CO. Previously he worked for twenty-five years in the Washington DC area providing network engineering, program management and information security compliance for federal agencies and international companies. Since returning to Colorado he worked as an Information Security Manager for the US Antarctic Program and US Department of Interior. Recently he established an ISO 27001 line of business for Coalfire and has provided ISO 27001 consultancy services to commercial clients.

He earned a BA in Sociology from Immaculate Heart College (1976) and taught in Los Angeles public schools. He later completed undergraduate studies in Computer Science from California State University Chico (1986) and earned MSc in Computer Science from John Hopkins University (1990). He is actively involved in Information Security related research and enjoys mentoring next generation IEEE members. His industry certifications include CISSP, CCSP, PMP and CISA.

IEEE Accomplishments and Activities
(AF'94-M'97-SM'01)

IEEE Accomplishments

REGIONS:

- General Chair – IEEE Region 5 and GREENTECH Conferences (2013)
- Advisor - IEEE Region 5 and GREENTECH Conferences (2017)
- South Area Chair – IEEE Region 2

SECTIONS/CHAPTERS:

- Chair – IEEE Washington DC Section (2009), IEEE Denver Section (2013)
- Chair – IEEE Denver Communications Society Chapter (2014-2016)
- Website administrator for multiple section, chapter and conferences

SOCIETIES:

- IEEE Communications Society (member since 1993)
- IEEE Computer Society (member since 1993)
- Intelligent Transportation Systems Society (member since 2010)

CONFERENCES:

- General Chair – IEEE GREENTECH (2013), IEEE Region 5 Annual Conference (2013)
- Executive Committee – IEEE GREENTECH (2017), IEEE Region 5 Conference

- Patron Chair and Advisor – IEEE GLOBECOM (COMSOC) – 2007-2016 (multiple conferences)

STANDARDS:

- IEEE 1609 Standards Working Group – Wireless Access for Vehicular Environments (2008-2010)
- Contributor and co-editor of the ANSI Role-Based Access Control Standards (updated in 2011)

AWARDS and RECOGNITIONS:

- IEEE-USA Professional Achievement Service Award for Individuals (2015) in supporting conference development for the GREENTECH and GLOBECOM programs
- Service Award (2009) for promoting the 125th IEEE History Program (Washington DC and Northern Virginia Sections)

PUBLICATIONS:

- Editor – *IT Professional* (Securing IT department) 2015-present (appointment)
- Author – *IEEE Computer* (2010), *IEEE Security and Privacy* (2008), *IT Professional* (2011-2017), *Communications Surveys and Tutorials* (2011), *IEEE Scanner* (IEEE DC Section newspaper), *IEEE Denver Section Mile High Spark* (2011-2015)
- Technical Reviewer (multiple IEEE publications since 1998)

SIGNIFICANT ACHIEVEMENTS:

- Educator on Intelligent Transportation Systems – Seminars at IEEE GLOBECOM 2007-2015
- Section Coordinator for IEEE Milestone History Recognition – Virginia Smith HVDC Substation
- Author / Editor Engineering and Technology History Wiki (ETHW) – 50 Year History of the Washington DC Section
- Provided significant financial growth to two Sections and multiple conferences

Statement

As Director, I will focus on:

Increasing Region 5 membership and Young Professional Activities

I will actively promote membership development programs for our 26 Sections and young professional programs and emphasize early career development activities and value-added services for our members.

Strengthening industry partnership across Region 5 programs

I will work to expand professional development programs across Region 5 to include professional webinars and leverage local Section events. I will leverage our Region's network and my own contacts from leading successful patron committee programs across IEEE conferences.

Keeping Region 5 and IEEE a member-centered organization

I will work to carry your voice to various IEEE and IEEE-USA forums. My work will emphasize the benefits of IEEE volunteer activities which has always been the beating heart of our area programs.

Expanding educational outreach across Region 5 programs

I will work to build out our Region's IEEE University programs through networking with Area Chairs, Faculty Advisors and Student Chapters and promote our successful annual conference.

For IEEE Region Delegate-Elect/Director-Elect, 2018-2019
IEEE Region Delegate/Director, 2020-2021
Region 5 (Southwestern USA)



JAMES R. LOOK, PE

(Nominated by IEEE Region 5)

Self Employed
Boulder, Colorado, USA
www.JamesRLook.com

Jim Look has made the IEEE the major focus of his activities since leaving full time employment in 2003. After completing a 28 year career in the international oil and gas industry, Jim has dedicated time to non-profit organizations including, Habitat for Humanity, the Colorado Engineering Council, the City of Boulder (advisory committees) and many levels of the IEEE. He graduated with a BSEE in 1972, achieved his PE license in 1976 and added an MBA in 1981. The majority of his professional career was spent with Saudi Aramco, a very large international oil company. Over that period he was involved with a wide variety of engineering and management assignments. He progressed from a refinery utility engineer, to project manager, to the leadership of a 140-person multidisciplinary, multi-national engineering group and finally, advisor to corporate management. He has been a continuous member of the IEEE for over 45 years (StM-1970, M-1972, SM-2005, LS-2016).

IEEE Accomplishments and Activities
(S'70-M'72-SM'05-LS'16)

IEEE ACTIVITIES

COMMITTEES/BOARDS:

- MGA - Chair, Member Benefits Portfolio Advisory Committee (2014-2016)
- MGA - Past-Chair, Member Benefits Portfolio Advisory Committee (2017-date)
- IEEE-USA - Nominations & Appointments Committee (2010-2013)
- IEEE-USA - Vice President, Professional Activities (8/2010-12/31/2012)
- IEEE-USA - Energy Policy Committee (2008-date)

REGION 5:

- West Area Chair – Region 5 (2010-date)
- Secretary – Region 5 (10/25/2006-2007)
- PACE Coordinator – Region 5 (2008-2009)

SECTIONS/CHAPTERS:

- Treasurer – NE Wisconsin Section (1975)
- Secretary – Denver Section (2004-2006)
- Treasurer – Denver Section (8/2013-1/2014)
- Webmaster – Denver Section (2007)
- Vice Chair – Denver Section (2008)

- Chair – Denver Section (2009)
- Chair – Nominations Committee – Denver Section (2010-2012)
- Committee Member – 2013 IEEE Green Technologies Conference and Region 5 Annual Meeting
- Registration Chair – 2017 IEEE Green Technologies Conference and Region 5 Annual Meeting

STUDENT BRANCH:

- Michigan Technological University Student Branch (1970-1972)

SOCIETIES:

- IEEE Power and Energy Society (1973-date)
- IEEE Consumer Electronics Society (2015-date)

AWARDS:

- Region 5 Individual Outstanding Achievement Award (2007)
- Region 5 Special Director's Award (2008)

RECENT IEEE ACCOMPLISHMENTS

As Chair of the re-organized MGA (Member and Geographic Activities), Member Benefits Portfolio Advisory Committee (MBPAC) he guided the development of the committee's new operating philosophy, policies and procedures. With input from committee members, IEEE staff and outside experts, the MGA charter statement was implemented as a functioning committee with processes to evaluate and rate all IEEE member benefit programs on the characteristics of member satisfaction, financial impact on IEEE and alignment of the benefit with IEEE core values.

Statement

Service to members must be the highest priority of the Region. If elected, I would work tirelessly to insure that all programs are conducted for the benefit of all IEEE members including:

- **Supporting the Sections:** The Region must ensure that every Section has the expertise, resources and tools necessary to conduct outreach programs for future members along with worthwhile technical and career related programs for current IEEE members.
- **Continuing Our Focus on Delivering Value to the Members:** It is our responsibility to ensure that IEEE money is spent effectively and wisely on programs that deliver increasing value to the member.
- **Enhancing Exchanges with Student Branches:** Most of our student members do not think they are getting a good value for their IEEE dues, especially after graduation. Additional resources must be allocated to improving the relevance of IEEE and increasing engagement with students who are our future members and leaders.

I ask for your vote because I have the vision, experience and leadership skills necessary to implement improvements in Region 5 for the benefit of all members.

For IEEE Region Delegate-Elect/Director-Elect, 2018-2019
IEEE Region Delegate/Director, 2020-2021
Region 7 (Canada)



JASON JIANJUN GU

(Nominated by IEEE Region 7)

Professor
Electrical and Computer Engineering
Dalhousie University
Halifax, Nova Scotia, Canada
www.JasonGu.org

Jason Gu received his Ph.D. in Electrical and Computer Engineering (2001) from University of Alberta and is Professor and Director of the Robotics Laboratory at Dalhousie University. He published over 250 Journal, book chapters and conference papers in biomedical engineering, robotics, systems and control. He was editor-in-chief of *International Journal of Automation and Logistics* (2012) and editor of *Journal of Control and Intelligent Systems* (2007).

He was associate editor for many IEEE periodicals, Program/General Chair for over a dozen IEEE conferences and was the IEEE Canada Atlantic Section (CAS) Vice Chair and Chair. He is currently the IEEE Canada Conference Editorial Board Chair and Awards Committee Vice Chair.

Jason received the Outstanding IEEE Student Branch Counselor Award (2004), the IEEE CAS Murugan Memorial Award (2014), and the IEEE J. J. Eastern Canada Merit Service Award (2016). He is a Fellow of the Engineering Institute of Canada and Canadian Academy of Engineering.

IEEE Accomplishments and Activities

(S'98-M'01-SM'05)

REGION 7:

- Award and Recognition Committee Vice Chair, 2016-present
- Canada Conference Editorial Board Co-Chair, 2014-2017
- Canadian Conference on Electrical and Computer Engineering, General Chair, 2015
- Electrical Power and Energy Conference, Program Chair, 2010/2013

SECTION (CAS):

- Award and Recognition Committee Chair, 2016
- Nominations and Appointments Chair, 2012-2015
- Student Activities, 2013-present
- WIE Affinity Advisor, 2003-present
- Past Chair, 2012-2013
- Chair, 2011-2012
- Vice Chair, 2010-2011

STUDENT BRANCH (CAS):

- Counselor, 2001-present

SOCIETIES:

- Robotics and Automation Society
- Systems, Man, and Cybernetics Society
- Industrial Electronics Society

IEEE CONFERENCES:

- Registration Chair, IROS 2017
- Award Committee Chair, ICIA 2016
- General Chair, CCECE 2015
- Program Co-Chair, CSE 2014
- Program Chair, ROBIO 2013; Program Chair, EPEC2013
- General Chair, ICAL 2012
- Program Co-Chair, ICIA 2011
- Program Chair, EPEC 2010
- Panel Organizing Chair, ICAL 2009
- Program Chair, ICAL 2008
- Publication Co-Chair, ICAL 2007
- Publication Co-Chair, ICIA 2006
- Program Chair, ICMA 2005
- Publications Chair, CIRA 2001

JOURNALS:

- *IEEE Transactions on Mechatronics*, Editor 2009-2013
- *IEEE SMC Magazine*, Editor (2017-)
- *IEEE Access*, Editor, 2013-present

AWARDS:

- IEEE Outstanding Branch Counselor Award, 2004
- *IEEE Transaction on Mechatronics* Associate Editor Award, 2013
- IEEE ICIA/ICAL Best Conference Paper Award, 2014
- IEEE CAS Murugan Memorial Award, 2014
- IEEE CAS Distinguished Service Award, 2015
- IEEE J. J. Eastern Canada Merit Service Award, 2016

Statement

As the Region 7 Director-Elect, I will utilize my extensive volunteer and academic experience to grow membership in Region 7. I have become familiar with the present needs of our members, my focus will be to:

- Strengthen our connections with Canadian IEEE Sections, MGA, TAB, and industry to enhance the profession and support member activities. Promote/attract/increase/retain membership.
- Increase IEEE Canada's visibility to government, and non-government organizations, the general public, particularly for enhancing the study of engineering among young students and professionals.
- Assure that IEEE Canada forums, flagship conferences and publications are of high quality.
- Enhance and/or expand partnerships with academia, government, industry, other not-for-profit organizations and professional societies who share our interests to better address the future needs of our profession.
- Tighten the collaboration among Region 7 Sections while, respecting cultural, economic and social diversity, and recognizing professional networking needs.

I will devote myself to enhance the value of IEEE within Region 7 and seek new opportunities within and beyond the global IEEE community.

For IEEE Region Delegate-Elect/Director-Elect, 2018-2019
IEEE Region Delegate/Director, 2020-2021
Region 7 (Canada)



ADAM SKOREK

(Nominated by IEEE Region 7)

Professor
University of Québec at Trois-Rivières
Department of Electrical and Computer Engineering
Québec, Canada
www.skorek.org

Adam SKOREK, was born in Krzczonów, Poland, December 24, 1956. He completed the Master of Electrical Engineering Program at Białystok University of Technology (Poland) receiving both Master and Engineer degrees. He obtained Doctor of Technical Sciences Degree in Electrical Engineering at the Warsaw University of Technology. In 1987, he joined the University of Québec at Trois-Rivières, where he is currently a Full Professor and former Head of the Electrical and Computer Engineering Department. Former Director and current Member of the UQTR's Research Group on Industrial Electronics, he was a Member of the Board of Directors of the University of Québec at Trois-Rivières and the Board of Governors of the University of Québec. He was a Chair of Canadian Heads of Electrical and Computer Engineering. Fellow of the Engineering Institute of Canada, he is a recipient of the IEEE RAB/MGA Leadership Award and the IEEE Canada W.S. Read Outstanding Service Award.

IEEE Accomplishments and Activities

(M'88-SM'90-F'09)

COMMITTEE/BOARD: IEEE Fellow Committee Member (2017); IEEE MGA Awards and Recognition Committee: Past-Chair (2016-2015), Chair (2014-2013), and Member (2016, 2015, 2014, 2013); IEEE Medal of Honor Committee Member (2008-2009); IEEE Awards Board Member (2014-2013, 2009-2008).

REGION: IEEE CANADA/R7 President-elect/Director-elect Candidate nominated by IEEE Region 7 (2017, 2011); IEEE CANADA/R7 Board of Directors (2003-2004 and 1992-1997); IEEE Canadian Foundation Board of Directors Member (2002-2007); Translation Committee Chair (2001); Eastern Canada Council Chair (1996-1997); Education Activities Committee Chair (1994-1996).

SECTION/CHAPTER: IEEE St-Maurice Section Annual Elections President (2008-2017); IEEE St-Maurice Section: Chair (2003-2004 and 1992-1994), Vice-Chair (2001-2002 and 1990-1991).

SOCIETIES: IEEE Electron Device Society Distinguished Lecturer (2010-2017); IEEE Industry Applications Society Fellow Committee Member (2016-2015, 2011-2010); IEEE Industry Applications Society Awards Committee Chair

(2005-2009); IEEE IAS, Manufacturing Systems and Applications Department Chair (2001-2003) and Vice-Chair Papers (1997-2001); IEEE Education Society Chapters Coordinator (1996-2001).

CONFERENCES: IEEE Energy Conversion Congress and Exhibition (ECCE, 2009-2017) Technical Program Committee and Reviews Committees. Founder of PARELEC, the IEEE International Conference on Parallel Computing in Electrical Engineering, contributor to the IEEE Canadian Conference on Electrical and Computer Engineering (CCECE, 1989-2007); Co-chair and organizer of the IEEE Power Electronics Society Forth Workshop on Computers in Power Electronics (UQTR, 1992); contributor, sessions organizer and sessions chair at the IEEE Industry Applications Annuals Meetings (1994-2009); contributor to the COMPUMAG, the IEEE Magnetics Society sponsored conference (2017, 1993-1997).

ACCOMPLISHMENTS:

- Recognized contributions to the IEEE Member and Geographic Activities (MGA) Awards and Recognition Committee (2013-2016).
- Recognized contributions to the IEEE Awards Board (2013-2014, 2008-2009) and to the IEEE Medal of Honor Committee (2008-2009).
- Creation and implementation of new approaches to the IEEE Industry Applications Society – Awards Department (2005-2009).
- Foundation and contributions to the IEEE Canada Translation Committee (1996-present).
- Contributions to the Saint-Maurice Section's outstanding IEEE volunteer's recruitment (1988-present).

Statement

Based on historical values and with respect to all IEEE R7 volunteers, I'd like to introduce a new generation of contributors. The keywords of this action will be enthusiasm and creativity assuming professional excellence as a common base.

I consider extremely important an appropriate collaboration with government agencies, industry, and academia. High standard of the IEEE Canada sponsored publications and conferences are for me a must. A continuing search of new contributors and ideas in these fields, as well their implementation, is what I'd like to do.

Contributions of R7 to the IEEE worldwide activities and its Canadian obligations are very important issues. I'd be an active and proud representative of the IEEE Canada to the IEEE and to the Engineering Institute of Canada.

Experienced in social media and electronic communications, my objective is to increase our membership's implication in this area.

In member's services and IEEE governance, the Canadian Sections are essentials - I would act according to their needs and indications.

I'm ready to serve the IEEE R7 in both Canada's official languages.

For IEEE Region Delegate-Elect/Director-Elect, 2018-2019
IEEE Region Delegate/Director, 2020-2021
Region 9 (Latin America)



ALBERTO SANCHEZ

(Nominated by IEEE Region 9)

Professor

Universidad San Francisco de Quito (USFQ); and

Co-Founder

I&DE Cia. Ltda

Quito, Ecuador

<https://www.linkedin.com/in/alberto-sanchez-8bbb4122/>

Alberto is currently a professor at Universidad San Francisco de Quito (USFQ). He obtained his degrees in Electronics & Control Engineering from Escuela Politécnica Nacional (1999), MSc in Power Electronics & Control with Distinction from the University of Bradford (2000), UK, and the PhD in Electronic & Electrical Engineering from the University of Strathclyde, Glasgow, UK (2004).

He worked as a Research Assistant for project SMAC Smart Control of Waste Water Treatment Plants. His experience has led him to conduct multidisciplinary research for which he developed skills to communicate and collaborate with people from completely different backgrounds.

In 2005 he co-founded I&DE Cia. Ltda.; which to this day is the number three company in Ecuador for the production of lifts. From 2007 to 2011, Alberto worked for Petrobras, and in 2011 he re-joined USFQ. He has more than 25 published articles in journals and conferences.

IEEE Accomplishments and Activities

(M'03-SM'12)

Accomplishments

As section chair paved the way for the IEEE Ecuador Technical Chapters Meeting, organized APCASE 2015, and stimulated the formation of new society chapters and student branches. I also organized with EMBS and MIT the IEEE HackMed. With the Peru Section we developed a collaboration program to promote student interchange. This program is just beginning but interest and expectations are high. We believe we can expand this program to at least 3 or 4 more universities in Ecuador and Peru. All this work led to an increase in total membership from about 600 to over 1000.

As a volunteer from the IEEE IES and CSS societies, founded the joint CSS-IES Chapter in 2016, and served as TPC of ICIECA 2005.

As a section volunteer served as TPC of ANDESCON 2006.

IEEE Activities

Section:

- Ecuador Section Professional Activities Coordinator, 2016-2017
- Ecuador Section Chair, 2014-2015
- Ecuador Section Secretary, 2007-2009

Chapters:

- Control Systems Society and Industrial Electronics Society Joint Chapter Founder and Chair, 2016

Societies:

- Member, Control Systems Society, 2003-2017
- Member, Industrial Electronics Society, 2003-2007, 2013-2017

Student Branch:

- Counselor, Universidad San Francisco de Quito Student Branch, 2014-2017

Statement

If elected, my work will focus on: mobility, collaboration, knowledge and innovation.

I believe IEEE is about networking and collaboration. Undoubtedly, language is not a barrier in our region, as a first line of work I will promote the collaboration among several sections.

IEEE is a powerful global network; however, many times we are looking for solutions in other continents. Helping professionals and young professionals move on a regional market to either do business or open new technological ventures will be my third line of work.

If elected, I will work to develop the following programs:

- Promote regional collaborative and innovation venture programs.
- Develop a regional professional matrix, where professionals can collaborate, services can be offered, jobs and scholarships can be posted; and finally probably a regional fair can be conducted.
- Develop and promote a regional program for the WIE leadership conference so local section conferences and meetings can build a WIE program as part of their events.
- Facilitate R9 industry relations with IEEE, and promote agreements to adopt IEEE standards as national standards.

For IEEE Region Delegate-Elect/Director-Elect, 2018-2019
IEEE Region Delegate/Director, 2020-2021
Region 9 (Latin America)



ENRIQUE A. TEJERA M.
(Nominated by IEEE Region 9)

Section Manager
Panama Canal Authority
El Dorado, Panama
www.etejera.com

During most of his 37 years as an IEEE member, Enrique has served as a volunteer in the Panama Section, CAPANA Council, Region 9, IEEE Committees, PES and IAS.

In the Panama Section served as Treasurer, Secretary, SSAC, ARC, Vice-Chair, Section Chair, and other Section committee positions. At the CAPANA Council he held positions in the Council Board.

In Region 9 he served as RSAC, Technical Activities Chair and Awards Chair.

In PES he served as Chapter Chair, R9 Chapter Representative, VP Membership/Chapters Activities and Division VII Director. Since 2014 he serves as Distinguished Lecturer for IAS and PES DL programs.

Throughout the years served in many committees and boards including IEEE-HKN, N&A, MGA, TAB, BoD, Audit, History, SAC.

He is a recipient of numerous awards at the Section and Region level, including outstanding volunteer for the Region, Council and Section and recently recognized with Region 9 Meritorious Service Award.

IEEE Accomplishments and Activities
(S'80-M'81-S'83-S'85-M'86-SM'93)

COMMITTEE/BOARD: IEEE-HKN Governor Regions 7-10, 2017; IEEE History Committee, 2016-2017; TAB Representative at MGA 2013-2015; IEEE BOD Division VII Director, 2010-2011; Audit Committee, 2010-2012; MGA GUOS Committee, 2011-2012; N&A Committee 2005-2007, 2013-2014. **REGION:** Awards, 2012-2013; TA, 2006-2007; RSAC, 2004-2005. **COUNCIL:** CAPANA AWARDS, 2016-2017; Treasurer/Secretary, 1994-1995. **SECTION:** Awards, 2015; SSAC, 2013-2014; Secretary, 1998; MDC, 1993; Chair, 1992; Vice-Chair, 1991; Treasurer, 1989. **CHAPTERS:** Chapter Chair, 1985, 1997-2000; UTP Student Branch PES Chapter Counselor, 1997-2014; USMA Student Branch Counselor, 1988-1989. **SOCIETY:** Division VII Director, 2010-2011; PES & IAS DL, 2014-2017; PES Chapters VP, 2008; Power Engineering Society Membership and Chapter Activities VP, 2004-2007; R9 PES Chapter North Area Representative, 2000-2003. **CONFERENCES:** Member of all CONCAPAN conference organizing committees since 1981. **AWARDS:** R9 Meritorious Service, 2017; R9 Eminent Engineer, 2014; CAPANA Outstanding Volunteer, 2013; CAPANA "Ingeniero Eminente", 2006; R9 Theodore W. Hissey Award,

2006; R9 Outstanding Volunteer, 2005; PES R9 Outstanding Engineer, 2001; Panama PES Chapter Outstanding Engineer, 2000; IEEE Panama Section Most Active Member, 1996; PES Chapter Rep Runner-Up for Outstanding Chapter, Panama Chapter in 2002 and 2003; Puerto Rico & Caribbean Chapter, 2000.

IEEE Accomplishments

Societies

Established new awards and chapters resources programs from 2004-2008 achieving a constant membership growth from 2004 reversing a declining trend in PES Membership. I have been a PES and IAS DL since 2014.

Panama Section

Member/volunteer for 37 years in the Panama Section having served almost all Section Board positions including Chair, 1992.

Region 9

As the RSAC, 2004-2005, implemented new ways of managing Student Activities, created valuable documentation for student activities. Founded the Theodore Hissey Award.

As TA Chair, a new approach to reach out for Societies activities and improved relations has encouraged the appointment of Society liaisons and volunteers within our Region.

As Region Awards Chair, important achievements were reached by implementing/creating new awards.

Statement

Community. Bring to the community through our Sections what IEEE offers as a global organization: valuable information, knowledge and innovation.

Membership. Work on Membership Issues including satisfaction, retention and growth. Without members IEEE would not exist. It is required then to establish new strategies to maintain our members active and satisfied, to gain new members and to take advantage of all IEEE benefits to achieve these goals.

Public Relations. Establish cooperative relations with local entities Academia/Industry/Private/Government. Everyone involved in technology advancements should be connected with IEEE and use IEEE as their main sources of knowledge and information.

Growth. Consolidate Region growth providing solid basis of support and continuity. Revise our Region's ways of doing things, re-invent and innovate ourselves by improving our operations, communications, finances and cooperation between geographical units.

Strategies. Align Region 9 strategies and plans to those established at the IEEE major boards taking advantage of new and existing benefits for our members.

Volunteers. Form a Regional Committee with committed and experienced volunteers willing to serve and give the best for the Region.

For IEEE Standards Association President-Elect, 2018 IEEE Standards Association President, 2019



DENNIS B. BROPHY

(Nominated by IEEE Standards Association)

Director of Strategic Business Development
Integrated Circuit Verification Solutions Division
Mentor, A Siemens Business
Portland, Oregon, USA

Dennis Brophy is director of strategic business development in the Integrated Circuit Verification Solutions Division of Mentor, A Siemens Business where he manages a global interoperability program to promote product integrations with the company's functional verification products. He directs group standards strategy and has a long history of successful collaboration with industry peers for end user benefit.

Dennis has been in the electronic design automation industry for the past 37 years. He was first with Hewlett-Packard for five years where, as a software engineer, he worked on early PCB design automation systems and later became a product manager and launched HP's electronic design automation services business. He then joined Mentor where he has held several positions the past 32 years.

Dennis received a B.S. from the University of California at Davis in electrical engineering and computer engineering. He was awarded the Accellera Systems Initiative Leadership Award (inaugural awardee, 2012).

IEEE Accomplishments and Activities

(S'79-M'80-SM'98)

Current IEEE Standards Leadership roles

- Chair, IEEE-SA IoT Steering Committee
- Member, IEEE-SA Corporate Advisory Group (CAG)
- Member, IEEE IoT Activities Board
- Standards Chair, IEEE CEDA Executive Committee
- Secretary of the IEEE 1800 SystemVerilog Working Group
- Secretary of the IEEE 1666 SystemC Working Group

Past IEEE Standards Leadership roles

- Member of IEEE-SA Board of Governors (BoG) (2010-2013)
- Chair of the IEEE-SA Corporate Advisory Group (CAG) (2010-2013)
- Vice-Chair of the IEEE SA Corporate Advisory Group (2008-2010)
- IEEE Charles Proteus Steinmetz Award Committee Chair 2010, 2011
 - Past Chair 2012
 - Member 2007, 2008 & 2009
- Member of IEEE SA Standards Board (2005-2008)

- IEEE SASB Revision Committee (2004-2006)
- IEEE SASB Patent Committee (2005-2006)
- Chair IEEE 1481 Delay and Power Calculation System (1996-1999)
- Chair IEEE 1076.4 VHDL Initiative Towards ASIC Libraries (VITAL) Technical Advisory Group (1995-1998)

Society Memberships

- Computer Society
 - Design Automation Standards Committee
- Council on EDA

Conferences

- IEEE Design Automation Conference (DAC)
 - Panel Committee Member (2003-2004, 2012-2013)
 - Panel Committee Chair (2005-2006)
 - Executive Committee Member (2005-2006)
 - New Initiatives Chair (2007)
 - Strategy Committee Member (2009-2010, 2012-2013)
- Design & Verification Conference
 - DVCon United States
 - General Chair (2017)
 - Steering Committee (2013-2016)
 - DVCon India Steering Committee (2014-2017)
 - DVCon China Steering Committee (2017)

Awards

- IEEE CS DASC Ron Waxman Meritorious Service Award 2014
- IEEE 1800 Working Group Chair's Award, 2006 & 2013
- IEEE 1666 Working Group Chair's Award, 2013
- IEEE 1481 Working Group Chair's Award, 1998

Statement

The application of technology to serve humanity takes many forms. One of the most visible and recognizable forms are standards that promote human wellbeing, a common purpose and mutual understanding. IEEE standards are a cornerstone of interoperability and collaboration, not just for our members, but for the world as a whole. Further, for industry, it enables products to be built once and offered to a world market. It is no wonder when I have met with industry, the IEEE is often known first for the standards we create. We are globally recognized and locally praised. But we have more to do.

As IEEE members we know the impact of our more than 600 standards. We aspire to make a better world with "smart" everything in an all connected world with IoT. The world depends on these standards and uses them daily and more are being dreamed of now. We have an imperative to continue to foster the development of new and improved standards and help our members be as agile as possible. We need to drive further collaboration with external standards organizations into our standards development teams by building on the relationships we have already made. Now is the time.

For IEEE Standards Association President-Elect, 2018 IEEE Standards Association President, 2019



ROBERT S. FISH

(Nominated by IEEE Standards Association)

NETovations Group, LLC; and
Department of Computer Science
Princeton University
Princeton, New Jersey, USA

Robert S. Fish (SMIEEE) received his Ph.D. from Stanford University. Currently, he is President of NETovations Group, LLC, a consulting company specializing in networking technology innovation. He is also on the faculty of the Computer Science Department of Princeton University. Previously, he was Chief Product Officer and Senior Vice President of Operations at Mformation Technologies, Inc. creating software for mobile device management. From 1997 through 2006, Dr. Fish was Vice President and Managing Director of the Panasonic Digital Networking Laboratories with labs in Princeton, San Jose, Santa Barbara, and San Diego which invented and promoted the standardization of technologies for embedding networking into consumer devices. Prior to that, Rob was Executive Director of Multimedia Communications Research at Bellcore after starting his career at Bell Laboratories. His department created some of the US's earliest broadband video communications and residential broadband networking trials. He holds 17 patents and has numerous publications.

IEEE Accomplishments and Activities

(M'93-SM'07)

Dr. Fish is a long time volunteer within the IEEE. He was a member of the IEEE-SA Board of Governors (SA-BoG) and is VP - Industry & Standards Activities for the IEEE Communications Society (ComSoc). He was a founding member of the IEEE-Standards Association Corporate Advisory Group, and has been chair of SA's Global Coordination Committee and of the SA Standards Conduct Committee. In all these roles he has strongly promoted attracting and maintaining corporate and individual membership and global support and participation in the IEEE SA standards process.

Prior to becoming VP – Industry and Standards, Rob was a member and secretary of the ComSoc Standards Development Board (Com/SDB). Rob has been a strong advocate for increasing the resources ComSoc devotes to standards activities. For instance, while on COM/SDB, he helped initiate the P190X series of communications technology standards. Seeking to give more visibility to IEEE standards, he was a co-editor of the series "*IEEE Standards for Communications and Networking*" published in *IEEE Communications Magazine*. The success of

this series has now been followed by the inauguration this year of an IEEE *Communications Standards Magazine*. Bringing industry and advanced research together has been a priority. One example is helping to create the IEEE Conference on Standards in Communications and Networking (IEEE-CSCN) featuring both industry and academic contributions to communications standards.

In other IEEE activities, Dr. Fish was a member of ComSoc's Board of Governors and is Chairing the IEEE ad hoc on Strategic Engagement between the Standards Association and IEEE Technical Activities. He represents SA on the IEEE IoT Initiative and is a member of the IEEE ad-hoc on Industry Engagement. Dr. Fish has received the Distinguished Service Award from ComSoc's Multimedia Technical Committee. In 2016, he was awarded the Standards Medallion from the IEEE Standards Association.

Statement

As a unit of the IEEE, IEEE-SA is truly an impartial player in voluntary, non-governmental standardization, serving to create broadly available and broadly supported technical standards. As SA President, enhancing the partnership between SA volunteers, corporate members, and staff will be a top priority. Initiatives that nurture global industry outreach and stable entity membership are highly desired. Global recognition for IEEE-SA's standardization process must remain a priority. SA should cultivate relationships with other global standards organizations based on mutual recognition.

Follow-up on recent initiatives in Smart Grid, Cloud Computing, IoT, SDN, and 5G should be pursued. Initiatives on topics such as 5G Mobile Communications, "Big Data," and Augmented Reality present great potential for new standards by mobilizing the deep technical resources and intellectual firepower present within IEEE. In addition, new additions to the traditional standardization processes, for instance, support of "open source" processes, should be promoted.

One further area that needs attention is creating a multiplicative effect for IEEE activity by closer engagement and coordination between the IEEE Standards Association and IEEE Technical Activities to promote standardization. IEEE should be a leader in developing and maintaining the whole ecosystem of innovation, from invention to the marketplace, with standardization as a key component.

For IEEE Standards Association Board of Governors Member-at-Large, 2018-2019



WALTER WEIGEL

(Nominated by IEEE Standards Association)

Vice President
European Research Institute of Huawei
Leuven, Belgium

Dr. Weigel is VP of European Research Institute of Huawei, which comprises 18 sites in 8 European Union countries.

He was the European Telecommunication Standards Institute ETSI Director General, heading for several years 3GPP, and held positions within Siemens AG, including External Cooperations VP and Head of Standardization in Corporate Technology, Research & Concepts VP - Mobile Networks unit and headed the business segment Video Processing for semiconductor BU (today Infineon).

Weigel founded the industry consortium CPRI and recently the 5G Automotive Association with Ericsson, Nokia, Qualcomm, Intel, Audi, BMW, Daimler and Huawei. He was involved in setting-up several EU FP 7-projects, published ~50 technical papers and initiator/editor of the book *"ICT shaping the world"*.

He is a Technische Universitaet Muenchen lecturer, member of Innovationsdialog (German Government), Acatech senate, EC roundtable on autonomous cars, SDIL Board, served on the IEEE-SA BoG 2011-2016, EC's KETS group, and Aalborg University Industry Advisory Council.

IEEE Accomplishments and Activities

(M'03-M'09)

Walter served in IEEE in different positions, the IEEE-SA Board of Governors, Member-at-Large, 2012-2016, IEEE-SA BoG Nominations and Appointments Committee, Member, 2015, IEEE-SA Standards Conduct Committee, Member, 2013, IEEE-SA Standards Board (Stb), Member, 2006 and the IEEE-SA Standards Board Review Committee (RevCom), Member, 2006.

He initiated the P2413 on IoT architectures, started the European Advisory Group and recommended the new head of the Vienna office. As the only European member of the BoG he contributed significantly to the strategy and outreaches of the SA in Europe.

Statement

The SA is facing significant changes in the standardization world, especially the move of IT and communication technologies into the vertical industries. As the vertical industry is very strong in Europe and has its own standardization eco-system it will be crucial for the SA to develop a strong footprint in these "growing together" standardizations and also increase its presence in Europe.

With my European experience, the know-how from ETSI and 3GPP, my long history in Siemens as a leading vertical industry company and now my latest technology view from Huawei research I would like to support and enable the SA to be successful in these fundamental questions of future ICT and vertical standardization.

For IEEE Standards Association Board of Governors
Member-at-Large, 2018-2019



MASAYUKI ARIYOSHI

(Nominated by IEEE Standards Association)

Principal Researcher & Head of Invisible Sensing Research Team

Data Science Research Laboratories

NEC Corporation

Tokyo, Japan

Dr. Masayuki Ariyoshi has been in research and development in wireless communications for over 25 years. He received BE and ME degrees in Electrical Engineering, and PhD degree in Information and Computer Science, all from Keio University, Japan. Currently, he is Principal Researcher at NEC Corporation, where he leads the Invisible Sensing Research Team. His research include projects funded by Ministry of Internal Affairs and Communications, Japan, and one within European 7th Framework Programme.

Ariyoshi participated and contributed in standards development in IEEE DySPAN Standards Committee, 802.11, 802.15, Asia Pacific Telecommunity (APT) Wireless Group (AWG), among others. He also chaired IEEE 1900.4 WG in DySPAN-SC, and Short Range Devices Task Group in AWG.

His other IEEE activities include serving on IEEE Standards Association (SA) Committees, IEEE-SA Standards Board, RevCom, and ICCom. Outside of IEEE, he is Senior Member of IEICE, and Vice Chair of IEICE Technical Committee on Smart Radio.

IEEE Accomplishments and Activities
(S'93-M'95)

Dr. Ariyoshi has been involved in standards development activities in the field of wireless communications. He has participated in IEEE 1900.1, 1900.4, and 1900.6 Working Groups (WG) in Dynamic Spectrum Access Networks (DySPAN) Standards Committee (formerly organized as SCC41) since 2008. His major contributions were made in IEEE 1900.4 WG on Architectural Building Blocks Enabling Network-Device Distributed Decision Making for Optimized Radio Resource Usage in Heterogeneous Wireless Access Networks as Designated Representative for NEC, where he gave more than 60 contributions. Since 2010, he has served as Chair of IEEE 1900.4 WG and led to the publication of two standards, IEEE Standard 1900.4a, and 1900.4.1. He also participated in IEEE 802.15 WG, where he gave 15 contributions in TG4s on Spectrum Resource Utilization during 2013-2015.

Dr. Ariyoshi has also been active in IEEE Standards Association activities since 2010. He served as a member of the IEEE-SA Standards Board (SB) in 2011-2013 and 2015-2017, Standards Review Committee (RevCom) in 2010-2017, and Industry Connections Committee (ICCom) in 2015-2017.

In IEEE publications, he currently serves as Series Editor in the topic of Wireless and Radio Communication for *IEEE Communication Standards Magazine*. The first edition was published in March 2017.

Dr. Ariyoshi received the IEEE-SA Working Group Chair Award in 2011 and 2013, and the IEEE Communications Society Standards Board Award in 2011. He also received the 1st Prize of 2014 IEEE Global Conference on Consumer Electronics (GCCE 2014) Excellent Paper Award.

Statement

IEEE Standards Association is recognised as the world's leading Standards Development Organization (SDO). We aim at persistent provision of market relevant standardization environment. Considering recent trends in international standards, I think further nurturing of the IEEE-SA is needed. It is important to expand global relevance of the IEEE-SA. I also think that IEEE standards could give more values in the market, by strengthen relationship with industry, governmental agencies, and other SDOs.

As a member of IEEE Standards Association Board of Governors, I will strive to promote the IEEE-SA with my experience and connections made through my activities inside and outside of the IEEE-SA including European projects and Asia Pacific Telecommunity.

For IEEE Standards Association Board of Governors Member-at-Large, 2018-2019



ROBBY ROBSON

(Nominated by IEEE Standards Association)

Co-Founder and CEO
Eduworks Corporation
Corvallis, Oregon, USA

<https://www.linkedin.com/in/robbyrobson/>

Robby Robson is a technology innovator, researcher, and entrepreneur who has contributed to numerous standards and served in leadership capacities in multiple standards organizations. He is co-founder and CEO of Eduworks Corporation, a company that applies AI and text analysis to improve human performance, and a member of the IEEE Standards Association's Standards Board, Future Directions Committee, and Computer Society Standards Activities Board. Robby has held fellowships and professorships in the US, Germany, and France and has made significant contributions to real algebraic geometry and computational number theory as well as pioneering educational applications of the Web. He has served in industry as a CEO, standards evangelist, director of product management, board chair, and angel investor. He is a consultant to the Institute for Defense Analyses and has been Principal Investigator on multiple NSF and DOD projects. Robby has a BA from Hampshire College and Ph.D. in Mathematics from Stanford.

IEEE Accomplishments and Activities

(A'99-M'00-SM'05-SM'11)

Committees & Boards: IEEE Learning Technology Standards Committee (Chair 2000-2008, Vice Chair 2017); IEEE Computer Society Standards Activities Board (Vice Chair 2002-2013, P&P Chair 2015-2017, SAB Standards Committee Member 2011-2017); IEEE-SA Standards Board (2008-2009, 2017); IEEE-SA New Standards Committee (2008-2009); IEEE-SA Standards Review Committee (2017); IEEE-SA Industry Connections Committee (2017); IEEE Future Directions Committee (2016-2017); IEEE Connections Actionable Data Book (2015-2017) and Big Data Governance and Metadata Management (2017) activities; IEEE-ISTO Learning, Education, and Training Systems Interoperability Committee (2009-2011), IEEE Learning Technology Standards Committee Working Groups (multiple, 1998-2017).

IEEE Accomplishments:

- Chaired and made technical contributions to the IEEE Learning Technology Standards Committee during a period in which standards enabled the launch and growth of the global learning technology industry.

- Took over a committee that had yet to ballot a standard; hibernated unproductive WGs; facilitated the production of standards supported by industry and academia; and successfully managed relationships with related international standards development organizations.
- As Vice Chair and P&P Chair, helped improve efficiency and effectiveness by developing P&Ps that clarify and define the separate roles of the IEEE Computer Society Standards Activities Board as an oversight committee and standards sponsor.
- As representative of the IEEE-SA to the IEEE Future Directions Committee (FDC), initiated a survey of FDC standards activities; helped define and launch Big Data Governance and Metadata Management activity; and helped define policy that promotes the IEEE-SA role in FDC activities.
- As a new member of the IEEE-SA Industry Connections Committee, wrote first draft of a "lightweight Policies and Procedures" that remove unnecessary complexity and formality from Industry Connection activities.

IEEE Publications: *"A Student-Centered Feedback Control Model of the Educational Process."* Frontiers in Education Conference, 2000. *"Globalization and the Future of Standardization."* IEEE Computer Magazine, July 2006.

Statement

The IEEE-SA is well-positioned to be the premier producer of a new wave of standards for 5G, IoT, robotics, autonomous vehicles, smart cities, clean energy, and other fundamental emerging technologies. If elected to the Board of Governors, I will work hard to achieve this status for the IEEE-SA. I will advocate strategies that produce a world-leading standards portfolio in areas where the IEEE and IEEE-SA have technical strength, and I will work to develop business models that can sustain the IEEE-SA and help its sponsors successfully compete with other standards organizations and consortia. I will draw on my experience as a researcher, entrepreneur, and standards leader to strengthen collaboration and synergies between standards and technical activities and to keep the IEEE-SA focused on the core IEEE mission of advancing technology for the benefit of humanity while ensuring the long-term growth and sustainability of the IEEE-SA in a competitive global environment.

For IEEE Standards Association Board of Governors Member-at-Large, 2018-2019



STEPHEN D. DUKES

(Nominated by IEEE Standards Association)

President and CEO
Dreamer Inc.
Camano Island, Washington, USA

Stephen Dukes is an internationally recognized contributor to the global technology and engineering community. He held executive positions in engineering and management, in technology including telecom network design, cable architecture, game design, and enterprise network design. Dukes is President, Dreamer Inc., a virtual and augmented reality platform. His career portfolio includes working with Aumne, GTE, CableLabs, TCI, MediaOne, 3DO and Boeing Computer Services. He also served as board member on eight public and private boards, and numerous technical advisory boards. Major accomplishments include technical and executive management of the DOCSIS specifications for high-speed data over cable development, with over 140M cable modems deployed to the standard; video on demand network design; network games; and cable network architecture contributing to US\$85B in network infrastructure deployed. Dukes is an IEEE Fellow, member of the American College of Corporate Directors and holds a Masters Professional Director Certification, B.S. in Mathematics, University of Washington.

IEEE Accomplishments and Activities

(S'76-A'79-M'89-SM'91-F'02)

IEEE Standards Association:

- IEEE-SA Standards Board (2013-2017)
- New Standards Committee Chair (2016-2017), Member (2013-2015)
- Audit Committee (2013)
- Industry Connections Committee (2014-2017)
- Procedures Committee (2016-2017)
- IEEE-SA Board Patent Appeal Committee (2015-2017)
- IEEE-SA Standards Coordinating Committee 42 on Transportation Co-Chair TAB Relations (2014-2017)
- Representative to IEEE Transportation Electrification Community (2017)

IEEE Consumer Electronics Society:

- President (2010-2012)
- Conferences Vice President (2013-2017)
- First Vice President (2009)
- Board of Governors (2015-2017)
- Standards Committee Vice Chair (2014-2017)
- *IEEE Consumer Electronics Magazine* Senior Editor (2013-2017)
- Fellow Committee (2009-2016)
- Nominations Committee Chair (2013-2014)
- Administrative Committee (2005-2011)

IEEE Broadcast Technology Society:

- Administrative Committee (2005-2011)
- *IEEE Transactions on Broadcast Technology*, Associate Editor (2005-2008)

IEEE Technical Activities Board:

- TAB Strategic Planning (2015, 2017)
- TAB Representative to IEEE-SA Standards Board (2013-2016)
- TAB Awards and Recognition (2011-2012)

IEEE Fellow Committee:

- Fellow Committee (2010-2013, 2017)

IEEE Member and Geographic Activities:

- MGA Strategic Planning (2016-2017)
- Member Benefits Portfolio Advisory (2013)

IEEE Future Directions Initiatives:

- IoT Steering (2012-2016)
- Transportation Electrification (2012-2015)
- Cloud Computing (2012-2013)
- Smart Grid (2010-2013)
- Digital Senses (2015-2017)

IEEE Awards Committees:

- Innovation in Societal Infrastructure Award (2012-2013)
- Masaru Ibuka Award: Past Chair, 2009; Chair (2007-2008); Member (2005-2006)

Major Accomplishments:

1. Focused efforts to establish closer relationships between IEEE-SA and ISO/IEC.
2. Established stronger relationship between the IEEE-SA and the IEEE Technical Activities Board.
3. Developed relationships between the IEEE-SA and the IEEE Future Directions Committee to accelerate the development of new standards.
4. Led efforts to establish procedures to accelerate new standards within one to two years to address rapidly developing technologies for industry.
5. Led discussions with TRON to consign intellectual property free and open to IEEE-SA on IoT and battery technologies, respectively.

IEEE Conferences:

Served as Keynote, Industry Liaison Chair, Co-General Chair and/or Industrial Relations:

- ICCE (2011-2017)
- ICCE-Berlin (2011-2017)
- ICCE-Asia (2016-2017)
- IGIC (2009-2013)
- ICCE-Taiwan (2013-2017)
- GCCE (2012-2017)

Statement

IEEE Standards Association is one of the most foremost standards developing organizations in the world. My objective is to continue to promote collaboration and development of new and existing standards with industry, government, academia and international SDOs. Standards are essential to industry compliance and interoperability of rapidly developing technologies. To significantly influence the perception of IEEE-SA as playing a central role in the expansion technologies. To proactively and resiliently lead IEEE-SA through its members to develop standards concentrating on new market dynamics including openness and flexibility in a shorter interval to satisfy time to market challenges of evolving technologies and competitive environment. Essential to create closer relations with TAB societies and between societies, encourage and support diversity to position the IEEE-SA. Encourage a strong and dynamic volunteer organization, coupled with a highly skilled and responsive SA staff to establish IEEE-SA as the international SDO of choice now and in the future.

For IEEE Technical Activities Vice President-Elect, 2018 IEEE Technical Activities Vice President, 2019



K. J. RAY LIU

(Nominated by IEEE Technical Activities)

Christine Kim Eminent Professor of Information Technology,
and Distinguished Scholar-Teacher
University of Maryland
College Park, Maryland, USA
www.cspl.umd.edu/kjrliu/IEEE

Ray received his Ph.D. from UCLA in 1990. His research contributions encompass broad areas of signal processing and communications. He is the recipient of 2016 IEEE Leon Kirchmayer Award, IEEE Signal Processing Society 2009 Technical Achievement Award, 2014 Society Award for "*influential technical contributions and profound leadership impact*", and over a dozen best paper awards. Recognized as a Thomson Reuters Highly Cited Researcher, Ray is a Fellow of IEEE and AAAS. He is an entrepreneur who has been a founder of high-tech start-ups.

Ray has also received various recognitions from University of Maryland including the university-level Invention of the Year Award, Poole and Kent Senior Faculty Teaching Award, Outstanding Faculty Research Award, and Outstanding Faculty Service Award, all from A. James Clark School of Engineering.

Ray has trained over sixty doctoral/postdoctoral students and has inspired many to join IEEE as their professional Society and to grow in volunteer positions.

IEEE Accomplishments and Activities

(S'86-M'90-SM'93-F'03)

Board/Committees:

- Division IX Director (2016-);
- Chair, TAB New Business Models and Services Ad Hoc Committee (2016);
- Fellow Committee (2015-16);
- Founder of FinTrans Group (2013-16);
- Lead, IEEE DataPort (2013-16);
- TAB Finance Committee Member (2014-16);
- Global Perspective AdHoc (2012)
- Periodical Committee (2009)
- Transactions Committee (2006-08)
- Magazine Committee (2003-05)

Signal Processing Society:

- Past President (2014)
- President (2012-13)
- President-Elect (2010-11)
- Chair, Major Bylaws Revision AdHoc (2009)
- Vice President-Publications (2006-08)
- Board of Governors (2004-05)
- Editor-in-Chief, *IEEE Signal Processing Magazine* (2003-05)
- Chair, Multimedia Signal Processing Technical Committee (1999-2001)

- *Transactions on Mobile Computing* Steering Committee (2007-08)
- *Transactions on Multimedia* Steering Committee (2007-08)
- General Chair, IEEE International Conference on Acoustics, Speech, and Signal Processing (ICASSP) (2007)

As *IEEE Signal Processing Magazine Editor-in-Chief*, Ray brought the magazine to top ranking in citation impact out of 250 journals in Electrical Engineering area.

As **Vice President-Publications**, Ray developed processes and management structure for high quality publications; started the SPS e-newsletter; reduced SPS journals backlogs to zero; enforced fast turn-around time in manuscript reviews; established AE training during flagship conferences, and developed an AE nomination process. He was the prime architect of *IEEE Transactions on Information Forensics and Security*, *IEEE Journal of Selected Topics in Signal Processing*, and *IEEE Transactions on Multimedia*.

As **President**, through his long-range planning and implementation, Ray articulated the establishment of new membership board to offer more values and benefits. He proposed a Chapter of the Year Award; embarked a new online tutorials/educational program called SigView; created a "Signal Processing Cup" to engage students into competitions; started a new flagship conference called GlobalSIP; developed ChinaSIP initiative as an outreach to China; championed a new technical repository service called SigPort; and launched a visibility effort to gain more prominence for signal processing work.

As **Division Director**, Ray led a group of presidents/directors of in demanding financial transparency and accountability at IEEE.

Statement

My candidacy lies in a vision with strong conviction: **Together we are stronger than apart.**

IEEE is highly respected for advancing technological innovation and excellence for the benefit of humanity, for which Societies/Councils have played the leading role in many ways. Therefore, **societies/councils should continually strive as the role model of IEEE to drive the technological growth and excellence in defining the future directions.**

IEEE membership is drawn from diverse sectors of industry, education, and government. We must recognize and leverage the diversity and strengths of our members from different constituents. **As a true international organization, we must continue to grow and embrace membership from all over the world.** It is also important to strive for fair participation from different groups and regions, especially those under-represented.

IEEE is a volunteer-based community; therefore **it is essential that volunteers be the driving force of IEEE's directions.** As a non-profit organization, our key thrusts are promotion of technical excellence and facilitation of collaboration and networking, rather than amass profit.

Most importantly, I would **articulate transparency in all decision making processes, champion lowering IEEE overhead structure to relieve members' burden, and develop new products and services to meet your demands and increase membership value.**

For IEEE Technical Activities Vice President-Elect, 2018 IEEE Technical Activities Vice President, 2019



DOUGLAS N. ZUCKERMAN

(Nominated by IEEE Technical Activities)

Consultant
Vencore Labs
Ocean, New Jersey, USA
www.DougZuckerman.org

Doug Zuckerman is very enthusiastic about running for VP-TA and looks forward to serving! Doug has been an active IEEE volunteer for 20+ years and currently within IEEE serves on the Communications Society's Board of Governors, Future

Directions Committee, Big Data steering committee, Standards - representing IEEE on the OpenFog Consortium Board of Directors, and other key activities. Previously, he served as Communications Society President and in other high-level leadership positions in conferences, publications and membership, IEEE Technical Activities Board and IEEE Board of Directors. He received his BS, MS and PhD degrees from Columbia University and is an IEEE Life Fellow. His professional experiences at Bell Labs and Telcordia Technologies span the operations, management and engineering of emerging communications technologies, networks and applications. His work heavily influenced standards for management of telecommunications networks. Currently, he is a Consultant for Vencore Labs (Applied Communications Sciences).

IEEE Accomplishments and Activities

(S'67-M'77-SM'86-F'96-LF'13)

Doug's extensive history with IEEE and Technical Activities as a practitioner of inclusiveness, transparency, diversity and common sense leadership uniquely qualify him for VP-TA. His leadership accomplishments as president of one of IEEE's largest societies, the Communications Society, showcase his abilities.

There, he established a strategic vision and with ComSoc's leadership:

- Improved information sharing using social networking
- Achieved greater global chapter and sister society teaming
- Expanded ComSoc's lecture programs
- Reduced time between journal submission and publication
- Strengthened ComSoc's standards role
- Established/offered viable educational programs and industry-valued certification
- Engaged more recent graduates and women in activities
- Revised ComSoc's governance to better align with global demographics

In TAB and its entities:

- Established IEEE/OpenFog Consortium collaboration, which included IEEE seat on OpenFog Board
- Facilitated "bundled" Society-IEEE membership pricing
- Fostered successful cross-Society collaborations through the IEEE Cloud Computing Initiative, Big Data Initiative, and the Future Directions Committee
- Strategized and envisioned the Technology Time Machine Symposium, with cultivation of young entrepreneurs

COMMITTEES/BOARDS:

- Future Directions 2015-17
- Cloud Computing Initiative Steering 2013-14
- IEEE Division Director 2012-13

- Corporate Engagement 2012-13
- TAB Management 2009-11
- Member Engagement and Life Cycle 2010
- Products and Services 2007-08
- Earth Observation AdCom 2008-10
- Employee Benefits and Compensation, Chair 2013-14
- IEEE Board of Directors 2012-13
- Technical Activities Board (TAB) 2008-09, 2012-13
- Career and Professional Development 2012
- Society Review 2010-11

COMMUNICATIONS SOCIETY:

- Board of Governors 1995-2017
- Nominations & Elections, Chair 2011-12
- President 2008-09
- Vice President, 4 different positions 2000-07
- IEEE ComSoc Coordinating, Chair 2010-11, 2014-15
- Staff and Facilities, Chair 2008-09
- Strategic Planning, Chair 2006-07
- Governance, Chair 2007
- Director Conferences 1996-97

CONFERENCES:

- GLOBECOM'09 and GLOBECOM'19 General Chair
- NOMS/IM General Chair 1990, 2014
- TTM General Chair 2016
- GLOBECOM/ICC Steering 1998-99

PUBLICATIONS:

- TNSM Advisory 2012-17
- JOCN Steering 2013-17

AWARDS:

- Salah Aidarous Award 2006
- Donald W. McLellan Meritorious Service Award 2000
- Fellow 1996
- Harold Sobol Award 2002
- Third Millennium Medal 2000

Statement

I see an even brighter future for IEEE and with your help I will take us there. Thanks to members like you, IEEE is a great volunteer-based organization. We have the opportunity to make IEEE even greater across industry/academia, while assuring the true value of your membership. As VP-TA I will fight for an environment of openness, inclusiveness, supportive policies, reasonable budgets and shared decision-making. I will reach across IEEE's units (Member and Geographic Activities, Standards, etc.) to streamline joint activities and nurture collaboration.

To achieve this vision, I will:

- **Expand New Technology Initiatives** – Invest more to position IEEE and its members as technology thought leaders.
- **Grow Standards Activities** – Create TAB “standards committee” to foster and coordinate cross-Society engagement with IEEE-Standards Association.
- **Build Education and Training** – With Educational Activities, apply TAB's competencies to grow Education and Training initiatives into a major activity, comparable to Publications and Conferences.
- **Leverage Collaborations** – Establish more collaborations with industry consortia and sister societies, while incentivizing cross-Society cooperation.
- **Assure Affordability** – Keep member expenses reasonable, for example avoiding introducing expensive new tools that are redundant with off the shelf products and services.
- **Achieve Diversity** – Attract/retain young professionals and women, globally, because they are IEEE's future.

For IEEE-USA President-Elect, 2018
IEEE-USA President, 2019



GURUPRASAD "GURU" MADHAVAN

(Nominated by IEEE-USA)

Senior Program Officer
National Academies of Sciences, Engineering, and Medicine
Washington, District of Columbia, USA
www.ieeeguru.com

Guru Madhavan is a senior program officer at the National Academies of Sciences, Engineering, and Medicine, where he has led programs in health and medicine, and worked on major policy reports including *Rising Above the Gathering Storm, Revisited* that significantly influenced the reauthorization of the America Competes Act. He has served as a technical adviser to the U.S. Department of Health and Human Services, and given invited briefings at several state and federal agencies, the Capitol Hill, European Commission, and World Health Organization. A control systems engineer by background, Madhavan received his M.S. and Ph.D. in biomedical engineering and an M.B.A. from the State University of New York, and worked in the medical device industry previously. He has coedited seven books; his nonfiction *Applied Minds: How Engineers Think* has been translated into many languages. His numerous honors include being named as a distinguished young scientist by the World Economic Forum.

IEEE Accomplishments and Activities

(S'00-M'08-SM'13)

Highlights of my IEEE service record include serving two-terms as vice president of professional activities and a director on the IEEE-USA board. As founding chair and curator of the Future Leaders Forum, I led a team of inspired volunteers who designed a wholly novel platform for how IEEE-USA can deliver premium content from prominent voices advancing technology for humanity.

As chair of the Student Professional Awareness Committee, I led the redesign, rebranding, and streamlining of our traditional student-led, university conferences and ventures. This resulted in a contemporary, flexible platform centered squarely on improving participants' experiences and reducing bureaucratic burden.

I have also served as member of IEEE Public Visibility Committee; director and PACE chair of IEEE Washington Section; chair, vice-chair, and in various roles at IEEE Binghamton Section. I have been a member or corresponding member in IEEE-USA policy committees focused on medical technology, intellectual property, and career and workforce, as well as research and

development. I have keynoted or lectured at many IEEE workshops and events, and have chaired several symposiums and conferences.

My IEEE honors include **IEEE-USA Professional Achievement Award, New Faces of Engineering Award through the National Engineers Week Foundation as IEEE-USA nominee, IEEE-USA Divisional Professional Leadership Award, IEEE Larry K. Wilson Award for Student Activities,** and being named as an **IEEE Ambassador.**

Through my inclusive approach, I have demonstrated that I can tap the expertise and wisdom of IEEE's experienced leaders as well as the passion and energy of its emerging leaders. The lessons I have learned through these collaborative activities and accomplishments have given me a forward-looking, growth-oriented perspective that is keen on serving the shifting needs of our membership and exploring new revenue sources. As president-elect and president of IEEE-USA, my goal is to enhance and advance our performance while respecting our institutional heritage.

Statement

IEEE-USA needs a new mindset, broad vision, and fresh leadership. Only by producing rigorously high quality programs for engagement and experience, can we forge our way to improve membership value and satisfaction. My priority areas include:

- **Platforms:** to enhance and adapt the novel, multi-purpose Future Leaders Forum and related platforms to serve the IEEE-USA programs and membership at large to inform a potentially new business model.
- **Public Policy:** to bring an effective voice to represent key member and professional interests with policy leaders, especially at a time of change in Washington. I bring a strong appreciation of the concerns of both practitioners and academic researchers.
- **Public Engagement:** to develop new partnerships and uniquely distinguish IEEE-USA in a vigorous marketplace of ideas and talents. This is important to gain the interest of participants beyond our fields of interest, and to elevate the public consciousness of engineering—which is after all a social enterprise.

In sum, I wish to lay the groundwork for a modern IEEE-USA that can be relevant, effective, and visible in this new economy.

For IEEE-USA President-Elect, 2018 IEEE-USA President, 2019



THOMAS M. COUGHLIN

(Nominated by IEEE-USA)

President
Coughlin Associates
San Jose, California, USA
www.tomcoughlin.com/ieee_USA_President.html

Tom Coughlin, President, Coughlin Associates is a widely respected digital storage analyst and business/technology consultant. He has over 35 years in the data storage industry with engineering and management positions at high profile companies.

Dr. Coughlin has many publications and six patents to his credit. Tom is also the author of *Digital Storage in Consumer Electronics: The Essential Guide*, published by Newnes Press. Coughlin Associates provides market and technology analysis as well as Data Storage Technical and Business Consulting services. Tom publishes the *Digital Storage Technology Newsletter*, the *Media and Entertainment Storage Report* and other industry reports. Tom is also a regular contributor on digital storage for Forbes.com and other blogs.

Tom has been General Chairman of the annual Flash Memory Summit as well as founder and chairman of the Storage Visions and Creative Storage Conferences. He is active with several professional organizations including the IEEE, SMPTE and SNIA.

IEEE Accomplishments and Activities

(S'79-M'80-SM'95)

IEEE COMMITTEES/BOARDS:

- 2016-2017 Chairman, IEEE Public Visibility Committee
- 2017 VP, IEEE-USA Professional Activities
- 2017 Member, NIC Committee

REGION:

- 2013-2017 Past-Director, Director and Director-Elect, IEEE Region 6
- 2008-2009 Region 6 Central Area Chairman

SECTIONS/CHAPTERS/AFFINITY GROUPS:

- 2016-2017 Member of the Board, IEEE Consultants Network of Silicon Valley
- 2007-2016 Trainer for IEEE SF Bay Area Council Leadership Training
- 2012 SCV Section Chair Special Award for leadership
- 2007 Chair, IEEE San Francisco Bay Area Council
- 2005-2007 Chairman, Vice Chairman, Treasurer, Santa Clara Valley IEEE Section
- 2006 Chairman, Santa Clara Valley IEEE CE Society Chapter
- 2004 Chair, Santa Clara Valley IEEE Section PACE
- 2002 Chair, Santa Clara Valley IEEE MagSoc Chapter Chair (also in 1992)

SOCIETY/TECHNICAL COUNCIL:

- 2013-2017 VP and Chair, IEEE Consumer Electronics Society Future Directions Committee
- 2009-2017 Senior and Associate Editor of *IEEE Consumer Electronics Newsletter and Magazine*
- 2016 Member of TAB Membership AdHoc Committee
- 2010-2017 Associate and Senior Editor, *IEEE Transactions on Consumer Electronics*
- 2012-2017 Member of Cloud Computing Initiative
- 2011-2013 Reviewer, *IEEE Magnetics Letters*
- 2010-2012 Vice President of Operations and Planning for IEEE CE Society
- 2007-2012 and 2014-2017 Elected Member of IEEE Consumer Electronics Society Adcom
- 2011-2015 Member of TAB Future Directions Committee
- 2014 Outstanding Volunteer Award, IEEE Consumer Electronics Society
- 2010 Membership Chairman, IEEE Consumer Electronic Society
- 2009-2017 Member of Technical Program Committee, IEEE CE Society
- 2008-2012 Distinguished Lecturer, Consumer Electronics Society

CONFERENCES:

- 2013-2014 Member of IEEE Sections Congress Committee (2014)
- 2013 Local Chairman of the Region 6 Global Humanitarian Technology Conference
- 2008-2011 IEEE Sections Congress Chairman (2011)
- 2004 Publicity Chair for IEEE Magnetics Society TMRC Conference (also in 2002, 1996 and 1992)

OTHER IEEE ACTIVITIES:

- 2013-2016 Trainer for the IEEE VoLT Program
- 2016 Member of HKN
- Senior Member of IEEE (1995), Member (1980) and Student Member (1979)
- Member of the IEEE Broadcast Technology, Communications, Computer, Consumer Electronics and Magnetics Societies

Statement

If elected as IEEE-USA President I will work with the IEEE-USA regions to increase the value of IEEE membership and furthering our motto of advancing technology for humanity. Here are some initiatives that I will support as IEEE-USA President:

1. Make sure that IEEE and IEEE member interests are represented to the US government
2. Increase IEEE membership in the USA by engaging our members and providing value to them
3. Promote corporate membership programs that increase overall IEEE membership and engage industry with the IEEE
4. Support inter-regional meetings to replace IEEE-USA meeting
5. Support regional and IEEE-USA meetings to engage students and Young Professionals
6. Promote recording and creating greater value around IEEE local section meetings
7. Support the engagement and mutual activities with multiple IEEE organizational units to increase overall IEEE effectiveness
8. Increase sponsorships and partnerships for IEEE-USA activities to increase our effectiveness
9. As president-elect, to support the IEEE-USA president in any way I can
10. Make IEEE fun!

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