

# 2021 IEEE Annual Election

Candidate Biographies and Statements



[www.ieee.org/elections](http://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](http://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 2021, 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 2021. Elections are also being conducted in all Regions for IEEE Standards Association (IEEE-SA) President-Elect and Board of Governors Members-at-Large, and IEEE Women in Engineering Committee Chair-Elect. IEEE officer position descriptions are available online at the IEEE website [www.ieee.org/elections](http://www.ieee.org/elections)

**NOTE:** The 2022 IEEE President-Elect will become IEEE President in 2023.

- 5. Deadline for Ballot Receipt:** Only ballots received by 12 Noon, Eastern Time USA (16:00 UTC) on 1 October 2021 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 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.

## 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 Member-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 Member-at-Large. No member grade is required to vote for IEEE Standards Association Board of Governors Member-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.

## IEEE Women in Engineering Elections

IEEE Women in Engineering (WIE) is dedicated to promoting women engineers and scientists, and inspiring girls around the world to follow their academic interests in a career in engineering and science. IEEE eligible voting members who are also members of WIE are entitled to vote for IEEE Women in Engineering Committee Chair-Elect.

## **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:**

The 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 IEEE President-Elect, 2022 IEEE President, 2023



## SAIFUR RAHMAN

(Nominated by Petition)

Joseph R. Loring Professor of Electrical and Computer Engineering  
Virginia Tech  
Arlington, Virginia, USA  
[www.srahman.org](http://www.srahman.org)



Meet Saifur by watching a brief video on the IEEE Annual Election website at [www.ieee.org/elections](http://www.ieee.org/elections) or scan the QR code.

I am the founding director of the Advanced Research Institute at Virginia Tech. I have served as the chair of the US National Science Foundation Advisory Committee for International Science and Engineering. I am the founder of BEM Controls, LLC, a software company which provides building energy efficiency solutions.

I have trained over forty doctoral/postdoctoral students. I am a Distinguished Lecturer for the IEEE Power & Energy Society, and have lectured in over 30 countries on Smart Grid, IoT and Sustainable Energy in six continents.

I was awarded the IEEE Millennium Medal in 2000 for outstanding achievements and contributions to IEEE. I am a 2014 Honoree of the IEEE Technical Activities Board Hall of Honor. I received the Outstanding Power Engineering Educator Award from PES in 2013. I received the Meritorious Service Award in 2012, the highest award bestowed by PES. I received the IEEE-USA Professional Achievement Award in 2011.

## IEEE Accomplishments and Activities

(S'74-M'78-SM'83-F'98-LF'15)

### IEEE Board/Committees

- Chair, TAB/PSPB Products & Services Committee (2007-2010)
- Vice President, IEEE Publications Board and member, IEEE Board of Directors (2006)
- Chair, TAB Periodicals Committee (2004-2005)
- Vice Chair, IEEE Publications Board (2004-2005)
- Chair, IEEE PSPB N&A Committee (2009)
- Member, Proceedings of the IEEE Editorial Board (2004-2009)
- Chair, EAB Continuing Education Committee (2002)

- Member, TAB (2004-2005, 2007-2010, 2018-2019)

### **IEEE-USA**

- Member-at-large, Energy Policy Committee (2004-present)

### **Power & Energy Society**

- Past President (2020-2021)
- President (2018-2019)
- General Chair, IEEE Innovative Smart Grid Technologies Conf. (2013, 2014 & 2015)
- EiC, IEEE Trans on Sustainable Energy (2011-2012)
- EiC, IEEE Electrifications Magazine (2013-2015)
- Vice President, PES Publications (2001-2003 and 2012-2013)
- Vice President, New Initiatives & Outreach (2008-2011)

### **Society on Social Implications of Technology**

- Division VII Representative (2014-2019)

**IEEE Accomplishments** – During my PES presidency, I started the IEEE Power & Energy Society Corporate Engagement Program. This program allows employers to pay dues of their employees and engage the organization more closely with IEEE, resulting in robust IEEE membership growth. During the two years of my PES presidency, PES industry membership in China grew by over 100%.

In order to provide a direct link between our chapter leaders - who are our foot soldiers at the local level - and the PES governing board, I set up PES Chapters' Councils in China, India, Africa and Latin America with budget to support local programs. These councils are empowering local PES leaders to initiate local programs for member development and offer a platform for industry engagement.

I led the efforts to set up the online PES University. This "university" is a leader in the field of power engineering, providing access to knowledge and educational products that have credit-earning potential for PES members and non-members. This "university" offers tutorials, webinars, plain-talk courses – some online, some face-to-face – in the field of interest of PES.

## **Statement**

Over the past 40+ years, IEEE has been an integral part of my pursuit of excellence in professional life. While speaking at 200+ IEEE events, I have come across academics, young professionals and mid-career industry engineers including women and under-represented minorities. Engagements with members and volunteers globally at grassroots level has given me better insights to understand the community needs in developing relevant programs to advance their professional careers.

*I pledge to:*

**Global Community Building:**

- Highlight networking opportunities at IEEE events.
- Proactive outreach for women and underrepresented minorities.
- Ensure financial transparency, stability, and broader member benefits.

**Career and Leadership Development:**

- Encourage technology professionals without a college degree to join IEEE.
- Volunteers who contribute to Guides and Standards, should have access for personal use.
- Paper reviewers to earn points which they can redeem to download published papers.

**Growth and Nurturing:**

- Provide access to IEEE resources for up-skilling worldwide.
- Evolve PES University best practices as IEEE University Online.
- Focus on Industry Certification courses.

**Service to Humanity and Smart Engineering:**

- Develop closer and purposeful ties with Industry.
- Engage Sustainable Development thought leaders to address global challenges.
- Work with policymakers to help with Smart Engineering.

**Integrity in Action – Intangibles:**

- IP Rights awareness
- IEEE IP Rights skills development
- KPIs for IEEE Sections on local IP Rights activities

**Partnership to support Entrepreneurship:**

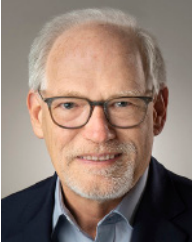
- Work with local Startup Incubators to harness Entrepreneurial potentials.
- Incubate Innovation Centers to nurture Maker competencies.
- IEEE Startup Show to highlight regional/local Innovations.

**Together we will make IEEE a more successful and resilient global technical organization.**



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# For IEEE President-Elect, 2022 IEEE President, 2023



## THOMAS M. COUGHLIN

(Nominated by Petition)

President  
Coughlin Associates, Inc.  
San Jose, California, USA  
<https://tomcoughlin.com>



SCAN ME

Meet Tom by watching a brief video on the IEEE Annual Election website at [www.ieee.org/elections](http://www.ieee.org/elections) or scan the QR code.

Tom has worked over 40 years in the digital storage industry as an engineer, engineering manager and senior executive. His company creates reports on digital storage and applications and provides industry consulting services. He founded and organized major storage and memory industry events and is a frequent invited speaker. He writes about storage and memory for [forbes.com](http://forbes.com). Tom published >500 articles, book chapters, reports and a book. He is an inventor in 6 patents. He has a BS in Physics, an MS in Electrical Engineering (from UMN) and a PhD in Electrical Engineering (Shinshu University, Japan). Tom is an IEEE Life Fellow, has three years on the IEEE Board and is a member of HKN. He has a long history of IEEE leadership and is also active in SNIA and SMPTE. He received an MGA Leadership Award in 2020. He is past chair of the Silicon Valley section.

## IEEE Accomplishments and Activities

(S'79-M'80-SM'95-F'18-LF'21)

### IEEE LEADERSHIP:

- 2021 Chair, IEC Careers WG
- 2017-21 Chair/Member, New Initiatives
- 2018-20 President/Elect/Past IEEE-USA
- 2019 Chair, Membership Price
- 2016-17 VP, IEEE-USA Professional Activities
- 2014-16 Chair/Member, Public Visibility
- 2015-16 Chair, MGA Global Opportunity

### COMMITTEES MEMBERSHIP:

- 2020-21 Lifelong Learning
- 2020-21 Sustainability
- 2020-21 CS Industry Activities Board

- 2019-21 Digital Reality
- 2019-20 HKN Strategic Planning
- 2020 Strategy/Alignment
- 2017-18 Industry Engagement
- 2014-16 Cloud Computing
- 2011-15 TAB Future Directions
- 2014-15 Infrastructure
- 2012-14 Transportation Electrification

REGION:

- 2013-18 Director/Elect/Past, Region 6
- 2013-14 Region 6 Vitality
- 2008-09 Region 6 Central Area Chair

SECTIONS/CHAPTERS:

- 2021 Chair SCV Technology History
- 2016-21 Board, Consultants Network (CNSV)
- 2020 Founder and Chair, SCV SSIT
- 2009-16 CNSV Marketing
- 2007-21 Faculty, San Francisco BAC Leadership Training
- 2007 SCV Section and IEEE SF BAC Chair
- 2006 SCV Consumer Technology Society (CTSoc) Chair
- 2005-06 SCV Treasurer/Vice-Chair
- 2004 SCV PACE Chair
- 1992/2002 SCV MagSoc Chair

SOCIETIES:

- 2020-21 Vice-Chair, Standards, CTSoc
- 2013-19 Chair, CTSoc Future Directions
- 2010-12 VP Operations and Planning, Chair Strategic Plan and Finance, CTSoc
- 2010-21 Senior Editor, Transactions on CE
- 2008-21 Editor CTSoc Newsletter/Magazine
- 2008-12 and 2015-16 Distinguished Lecturer, CTSoc
- 2007-12 and 2014-19 Elected CTSoc AdCom
- 2010 Membership Chair, CTSoc
- Member MagSoc, CS, ComSoc, BT, SSIT, CTSoc

CONFERENCES:

- 2019-21 2021 Sections Congress
- 2015-21 Co-Founder/organizer, IEEE Rising Stars Conference
- 2007-20 Member of CTSoc TPC
- 2014-18 Technology Time Machine
- 2014-16 Organizer, Mobile Power Workshops, US and Europe
- 2014 Sections Congress
- 2013-14 Local Chair, GHTC
- 1995-13 Reviewer MagSoc Intermag and TMRC Conferences
- 2011 General Chair Sections Congress
- 2011 IGIC Conference Publicity Chair

- 1992-2004 Publicity Chair for MagSoc TMRC
- 2004 Local Chair of International Ferrite Conference

#### AWARDS AND RECOGNITION:

- 2020 MGA Leadership Award
- 2018 IEEE Fellow
- 2015 IEEE HKN
- 2014 IEEE CESoc Outstanding Volunteer Award
- 2012 SCV Section Special Leadership Award

#### OTHERS:

- 2013-20 IEEE VoLT Faculty
- 2011-21 Regular column, IEEE CE Magazine/Newsletter

### Statement

The COVID pandemic impacted our members and IEEE operations. The lessons learned from COVID can help us improve IEEE's reach, relevance and value. **I believe that IEEE is a community that must engage our members.** This should start at the section level, but the idea of community should pervade the IEEE, helping us be inclusive, efficient and effective.

I feel strongly that **IEEE should advance and promote its members;** increasing student membership and Young Professional retention, making senior member advancement easier and finding more ways to recognize our heroes.

As IEEE President,

- I will work to **increase our value to industry**, encourage STEM careers and sustainable technologies, support lifelong learning, improve diversity and promote IEEE membership.
- I will **encourage collaboration and innovation across the organization**, while working to **increase our external impact and general public awareness**, and while advancing technology for the benefit of humanity.
- I support a member-led organization, **open discussion and transparency within the IEEE** and believe that we must be **a representative global organization**.
- I believe that **IEEE should be open to all technologists** and that we should create a safe environment that supports our members to be their best selves.
- My leadership experience inside and outside of the IEEE and my connections with multiple IEEE organizational units enable me to **facilitate linking, partnering and communicating across boundaries**.

I feel that IEEE should be foremost in advancing new technologies, creating timely standards and influencing public policies that demonstrate the value of technology professionals to the world.

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## For IEEE President-Elect, 2022 IEEE President, 2023



### S. K. RAMESH

(Nominated by IEEE Board of Directors)

Director AIMS<sup>2</sup> Program  
Professor of Electrical and Computer Engineering  
California State University (CSU), Northridge  
Northridge, California, USA  
<https://rameshsk.com>



Meet Ramesh by watching a brief video on the IEEE Annual Election website at [www.ieee.org/elections](http://www.ieee.org/elections) or scan the QR code.

S. K. Ramesh is an experienced engineering educator with 35 years of service as a dean, department chair, and faculty member. As dean, he established innovative programs to serve industry in renewable energy, assistive technology, and advanced manufacturing. The IEEE Learning Network (ILN) that he championed as Vice President of Educational Activities is a model for collaboration across IEEE.

Ramesh is an IEEE Fellow recognized for "*contributions to entrepreneurship in engineering education*", and founding Director of CSU Northridge's internationally recognized AIMS<sup>2</sup> program that supports minority student success in engineering. He is the 2021-22 President-Elect of ABET. His recognitions include the John Guarrera Engineering Educator of the Year, William Johnson International award for "*leadership and contributions to the profession*", and Region 6 Community Service award. Ramesh has served on the Boards of IEEE, HKN, and ABET, strengthening diversity, inclusion, and collaboration between volunteers and staff, with financial transparency and measurable outcomes.

### IEEE Accomplishments and Activities

(S'79-S'84-M'85-S'85-M'86-SM'93-F'15)

Ramesh has served IEEE in several leadership roles for over 39 years. His efforts have strengthened collaboration and member engagement, resulting in innovative programs that span the gamut from continuing education to pre-university education, and products and services that support members across the continuum of their careers:

- Restructured IEEE Educational Activities with a **diverse team of volunteer leaders and staff, emphasizing collaboration, accountability, financial**

**transparency**, and **inclusive excellence** with measurable outcomes (2016-17)

- Championed the **IEEE Learning Network (ILN)** in collaboration with all OU's as a one-stop shop for all IEEE continuing education products and services (launched 2019)
- Championed and implemented the **Try Engineering Summer Camps** and **Try Engineering Together** e-mentoring program (2017)
- Enhanced **EPICS in IEEE** program with an MOU with Purdue University and implemented the EPICS in IEEE India Pilot to promote project based learning and faculty professional development (2016-18)
- Expanded **IEEE-HKN** globally to serve all 10 Regions in IEEE, and increased industry support (2016)
- Promoted and Improved the **quality of technical education worldwide** through leadership on the ABET Board of Directors

### **IEEE Activities (select leadership positions)**

IEEE Board of Directors (2016-17)

Vice-President Educational Activities, (EAB Chair – 2016-17, Past – 2018-19)

President, IEEE-HKN, 2016 (Elect – 2015, Past – 2017)

Chair, IEEE-HKN Development Committee (2018-present)

Fellows Committee (2018, 2021)

Publication Services and Products Board (2020-present)

Treasurer and Trustee, IEEE-HKN Board of Governors (2012-14)

IEEE Awards Board (2010-13), APPRC (Vice Chair – 2020, Member – 2021)

ABET Board of Directors (2013-15, 2019-present), President-Elect (2021)

ABET Board of Delegates (2015-19)

Associate Editor-in-Chief IEEE e-Learning Library Editorial Board (2012-13)

IEEE Educational Activities Board (Pre-University Education, Chair, 2014-15, Awards and Recognition, Chair, 2010-13)

IEEE Exhibits Program Strategic Summit, Chair (2015)

Region 6 Central Area, Chair, (2001-04), Student Activities, Chair (1994-95, 1998-2000)

Sacramento Section, Chair (1992-93)

Photonics Society, Sacramento Chapter, Chair (1989-93, 2004-07)

Student Branch Counselor, CSU Sacramento (1990-2006)

## Statement

IEEE has been an integral part of my life for almost four decades - from student member, to an engaged volunteer today. My IEEE experiences have taught me some timeless values: To be **Inclusive, Collaborative, Accountable, Resilient, and Ethical**. Simply put, "**I CARE**". These values and IEEE's mission are especially relevant today, as we adapt and change to serve our members globally, and overcome the challenges from the pandemic.

My top priority is to deliver an exceptional experience to every member. If elected, I will focus on three strategic areas:

### *Member Engagement:*

- Expand and offer affordable and accessible continuing education programs through the IEEE Learning Network (ILN), and the IEEE Academy.
- Strengthen participation of Women in Engineering (WIE), Young Professionals (YPs), Students, Life Members, and Entrepreneurs.

### *Volunteer Engagement:*

- Nurture and support IEEE's volunteer leaders to transform IEEE globally through a volunteer academy program that strengthens collaboration, and inclusion.
- Establish strong relationships between IEEE volunteers and key industry sector leaders to increase awareness of IEEE.

### *Industry Engagement:*

- Increase the value of conferences, publications, and standards, to make them more relevant to practicing engineers.
- Focus on innovation and sustainable development as we look ahead to hybrid/virtual conferences, and open access publications.

Empower the IEEE leadership team to lower overhead costs and increase the value of membership.

Our members create enormous value for IEEE through their contributions. Let us "**Engineer the Future**", and create an IEEE "**Of the Members**", "**By the Members**" and "**For the Members**". Thank you for your vote and support.



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## For IEEE President-Elect, 2022 IEEE President, 2023



**FRANCIS B. GROSZ, JR., PHD, PE**  
(Nominated by IEEE Board of Directors)

Retired  
Omni Technologies, Inc.  
New Orleans, Louisiana, USA  
[fbgrosz.org](http://fbgrosz.org)



Meet Francis by watching a brief video on the IEEE Annual Election website at [www.ieee.org/elections](http://www.ieee.org/elections) or scan the QR code.

Francis Grosz received B.S. degrees in Physics and Engineering Sciences and an M.S. in Engineering from Louisiana State University in New Orleans, and a Ph.D. in Electrical Engineering from the University of Illinois at Urbana-Champaign. He is a registered Professional Engineer, served on two NCEES committees, and Eta Kappa Nu member. His career has mainly been in industry, primarily defense, and he taught for several years as regular or adjunct faculty at the University of New Orleans and Tulane University. Francis was a co-founder of Omni Technologies, an advanced technology/R&D consulting engineering firm. He was named a 2001 Outstanding Engineering Alumnus of UNO, and received an IEEE Third Millennium Medal, the Lifetime Achievement Award from the New Orleans Section, the 2008 Region 5 Outstanding Member Award and a NASA Space Act Award. He holds two U.S. patents, a General Radiotelephone License with Radar Endorsement, and Amateur Radio Extra license K5FBG.

### IEEE Accomplishments and Activities

(S'68-M'70-S'71-M'73-S'75-S'78-M'79-SM'03-LS'13)

Francis is a Life Senior member of IEEE. He joined IEEE as a sophomore in college and has been an IEEE volunteer for 40 years. He has served in all Section Offices except Treasurer and was a member of the Region 5 ExCom for about 20 years. He is a past Region 5 Director and past IEEE Vice-President for Member & Geographic Activities and served on the IEEE Board of Directors for three years. He was the UNO Student Branch Counselor, the Region 5 Student Activities Coordinator, and a member of the Young Professionals Committee. He was a member and then Chair of the IEEE Audit Committee, a member of the IEEE Governance committee, and a member of the MGA Geographic Unit Operations Support, Nominations & Appointments, Operations, and Strategic Planning committees. He was Co-Chair of the

2019 IEEE Ad Hoc Committee on New Engagement Models. In 2019 he co-founded with then Technical Activities Vice-President Ray Liu a joint TA/MGA Committee on Section/Chapter Support, which has become the current joint TA/MGA Ad Hoc Committee on Chapter Support and which is seeking to become a standing committee. He has served on Awards & Recognition Committees at both the Section and Region level. He was the Region 5 East Area Chair for several years. On the Society side, he has served on numerous Technical conference committees, including serving as Vice-Chair of the 1990 International Symposium on Circuits and Systems and as Technical Program Co-Chair of the 2008 ComSoc GlobeCom conference and the 2010 PES Transmission & Distribution Conference and Exposition. He has served on the committees of five T&D Conferences and is currently a member of the local organizing committee for the 2022 PES T&D Conference in New Orleans.

## Statement

IEEE does many things well and we must continue to support them. Should I become a Board member and President, I would focus on increasing support for local Organizational Units – Sections, Chapters, Affinity Groups, and Student Branches – and on increasing industry engagement. I think that there is a natural synergy here and our greatest opportunity.

I believe that the current Local Groups pilot offers an opportunity for Sections and Chapters to simultaneously provide increased service and value to members, prospective members, and the public while further engaging local industry, especially smaller and mid-sized companies. The TA/MGA Ad Hoc on Chapter Support is looking at ways in which to increase support for Chapters, which is where many of our members find their value in IEEE, and we should support this. We also need to provide better tools to help local OUs provide more service and value to their members with less work. One particular need, especially for the smaller OUs, is a way to help them arrange interesting meetings with engaging speakers more efficiently.

We have been working on industry engagement for some time. We have made progress with things like Collabratec and the IEEE App, and Local Groups should really help, but we need to do more. We must convince industry to value their engineers and their work more highly, and show them that partnering with IEEE can help both the companies and their employees. Finally, we must make the public more aware of the contributions of engineering to society.

For IEEE Division Delegate-Elect/Director-Elect, 2022  
IEEE Division Delegate/Director, 2023-2024  
IEEE Division II (DIES, EPS, IAS, IMS, PELS, UFFCS)



**KEVIN L. PETERSON**

(Nominated by IEEE Division II)

President and CEO

P2S Inc.

Long Beach, California, USA

<https://www.linkedin.com/in/klpp2s/>

Kevin Peterson is an industry veteran, currently serving as President + CEO of P2S Inc., a 280-person engineering firm he co-founded in 1991. Kevin sets overall company strategy and gets the team invested in company goals. He has spent more than three decades in the electrical engineering field, leading waterfront, industrial, institutional, military, and commercial power systems projects. Kevin is an expert on medium voltage power distribution systems and zero-emission shore power systems for port terminals.

Kevin is a Fellow of the American Council of Engineering Companies (ACEC) and past Chair of the ACEC Coalition of American Mechanical and Electrical Engineers (CAMEE). Kevin also devotes himself to the community as past Chair of the YMCA of Greater Long Beach board of directors, Chair of the Memorial Medical Center Foundation, board member of the Long Beach Ronald McDonald House, and board member at the Long Beach Community Foundation.

### **IEEE Accomplishments and Activities**

(M'87-SM'97-F'17)

I believe that I am well qualified to serve in the role of Division Director. I started my IEEE journey in the Los Angeles Chapter of IAS and received the Large Chapter Award when I was Chair. I moved into Chapters & Membership Department with IAS and served as Chair for three years, where I grew our number of chapters by over 30%. While President of IAS, I traveled to 8 regions promoting IAS at conferences. I took the Publications Department chair position in 2008 during the adoption of ScholarOne by IAS.

I joined IEEE IAS PCIC in 2004, where I presented my first paper in 2005 and contributed as their IT subcommittee chair for the next eight years. I also formed the IEEE P80005 Shore Power Connection working group in 2006. I have chaired IEEE P80005 Shore Power Connection WG for the past 14 years collaborating with IEC & ISO to develop joint international standards for shore-to-ship connections. I have also authored/co-authored nine technical papers on the subject of shore power.

## **IEEE COMMITTEES/BOARDS**

- Member IEEE Technical Activities Board, 2003-2004
- Member of Panel of Editors, 2008-2011

## **IEEE INDUSTRY APPLICATIONS SOCIETY**

- Publications Department Chair, 2008-2011
- Constitution & Bylaws Chair, Nominating Chair, 2005-2006
- Society President, 2004
- Society President-Elect, VP, Secretary, 2001-2003
- Chapters & Membership Chair, 1997-2000
- Chapters Area Chair, 1995-1996

IEEE IAS Los Angeles Chapter, Chair, 1994

IEEE IAS Petroleum & Chemical Industry Committee

- Vice-Chair, 2020-2022
- Secretary, 2018-2020
- Marine subcommittee, Vice-Chair, 2016-2018
- Standards subcommittee, Secretary, 2012-2015
- IT subcommittee, Chair, 2005-2013

## **CONFERENCES**

- IEEE IAS PCIC Technical Conference, Vice-Chair, 2009
- IEEE IAS Annual Meeting, Conference Chair, 2003

## **MAJOR ACCOMPLISHMENTS**

- IEEE SA International Joint Working Group Chair Award, 2012 & 2016
- IEEE Fellow, 2017
- IEEE PCIC David C. Azbill Award, 2018

### **Statement**

If elected, it will be an honor to continue my IEEE service as an active volunteer and member of TAB, serving as IEEE Division II Director-Elect, 2022 and Director, 2023-2024. My 30+ years of experience as a business leader, my involvement in publications and technical committees, and my experience as past President of the IEEE Industry Applications Society uniquely qualifies me to serve in this vital role. I firmly believe that we need to share best practices across Division II Societies to foster teamwork, driving technical activities, and organizational growth. As a TAB member and as Division II leader, I plan to serve as a volunteer representing Division II societies being an active contributor at TAB meetings. I will also communicate TAB initiatives as a dynamic and participating attendee at Division II society executive board meetings. I plan to continue my visibility and involvement that has marked my IEEE volunteerism for the past 30 years.

For IEEE Division Delegate-Elect/Director-Elect, 2022  
IEEE Division Delegate/Director, 2023-2024  
IEEE Division II (DIES, EPS, IAS, IMS, PELS, UFFCS)



**HOMER ALAN MANTOOTH**

(Nominated by Division II)

Distinguished Professor, The Twenty-First Century  
Research Leadership Chair in Engineering  
University of Arkansas  
Fayetteville, Arkansas, USA  
<https://uapower.group/mantooth/>

Alan Mantooth received the B.S.E.E. and M.S.E.E. degrees from the University of Arkansas (UA) in 1985 and 1986, and the Ph.D. degree from Georgia Tech in 1990. After eight years in industry (Analogy), he joined the Department of Electrical Engineering at the UA where he currently holds the rank of Distinguished Professor and holds the 21<sup>st</sup> Century Research Leadership Chair. He founded and directs the National Center for Reliable Electric Power Transmission, along with two Centers of Excellence: NSF Industry/University Cooperative Research Center on GRid-connected Advanced Power Electronic Systems and the DOE Cybersecurity Center on Secure, Evolvable Energy Delivery Systems. He is the Deputy Director of the NSF ERC entitled Power Optimization for Electro-Thermal Systems. Dr. Mantooth has co-founded three companies in design automation (Lynguent), IC design (Ozark Integrated Circuits), and cybersecurity (Bastazo). He is Sr. Past-President of PELS and EiC of the *IEEE Open Journal of Power Electronics*.

**IEEE Accomplishments and Activities**

(S'83-M'90-SM'97-F'09))

Dr. Mantooth has been an active and committed volunteer for IEEE for almost 40 years. He has held many leadership positions in several IEEE Societies. Among them:

- Chairman – IEEE CANDE, Design Automation Technical Committee for Circuits and Systems Society (2005)
- Chairman – IEEE Working Group on Standard VHDL Packages for Multiple Energy Domain Systems (P1076.1.1) (2001-2006)
- Standards Committee Chair of PELS (2004-2012)
- VP Operations of PELS (2013-2016)
- President-Elect of PELS (2016)
- President of PELS (2017-2018)
- Immediate Past-President and Nomination Committee Chair of PELS (2019-2020)
- Sr. Past-President and Long-Range Planning Committee Chair of PELS (2021)

- TAB Awards and Recognition Committee (2019-2021)
- EiC of *IEEE Open Journal of Power Electronics* (2019-Present)

While serving as PELS President, he created initiatives to significantly increase PELS membership (now over 10,000), expanded technical operations and activities, strengthened conference and product portfolios, and enhanced partnerships with sister societies and international organizations. He established mentorship, cybersecurity and design automation programs that are now thriving. He began the PELS Town Hall Meetings to engage members more directly. Further, PELS established two major initiatives: Empower a Billion Lives, a global competition for innovative solutions to energy access, which attracted 450 teams from 70 countries, and the International Technology Roadmap for Wide Bandgap Semiconductors. PELS enjoyed steady financial growth with annual surpluses exceeding \$1M. He worked with the TAB Finance Committee to establish two foundation accounts to support scholarship and humanitarian endeavors.

He has led volunteers in establishing and expanding international IEEE conferences including: Workshop on Wide Bandgap Power Devices & Applications (WiPDA), WiPDA-Asia, International Symposium on Power Electronics for Distributed Generation Systems, Workshop on Design Automation for Power Electronics, Workshop on CyberPELS, and the Design Methodologies Conference.

He led the successful launch of the *IEEE Open Journal of Power Electronics* in 2020, which achieved financial break even in only eight months.

## Statement

Communication is one key to effective governance. It is critical that any intelligent constituency be well-informed of the decisions, and the rationale behind those decisions, that impact their operations. I will ensure that the resolutions and rationale of the Board are communicated with all Division II Societies in a professional manner consistent with governance policies. I will continue the practice of meeting with Division Presidents during TAB meetings, and will attend their flagship conferences and governance meetings to report and gather feedback. As my experience demonstrates, I will work earnestly in a consensus-building and team-oriented fashion with the Division II Societies to represent their views and advocate for their needs at the Board level while working with my fellow Directors to achieve strategic and tactical goals that advance IEEE's mission.

If given this great opportunity to represent our Division, I commit to engage in activities that judiciously steward resources that support and focus on serving the IEEE membership, promoting the profession, fostering inclusivity and diversity, and governing the organization with responsible, transparent fiduciary decision-making.

For IEEE Division Delegate-Elect/Director-Elect, 2022  
IEEE Division Delegate/Director, 2023-2024  
IEEE Division IV (APS, BTS, CTS, EMCS, MAGS, MTTs, NPSS)



**ALISTAIR P. DUFFY**

(Nominated by IEEE Division IV)

Professor  
De Montfort University  
Department of Electrical Engineering  
Leicestershire, United Kingdom  
<https://www.linkedin.com/in/alistairstuffy/>

I am Professor of Electromagnetics at De Montfort University (DMU) in the UK and the Director of the University's Institute of Engineering Sciences. I have worked at DMU for 26 years and, in that time have served as Head of School, Associate Dean for Research and Innovation and in various other teaching, research and administrative leadership roles. My career started in a small electronics company in South Wales where I was fortunate enough to work in roles ranging from buyer through design engineer to marketing engineer, subsequently reading for my PhD at the University of Nottingham and recently being awarded my DSc from Cardiff University.

Other than the IEEE I have served in volunteer leadership roles in the Institution of Engineering and Technology (IET), most recently as Chair of the Executive Committee for the Electromagnetics Technical and Professional Network.

I enjoy playing double bass with local orchestras.

### **IEEE Accomplishments and Activities** (M'94-SM'04-F'15)

In 2008/9 I was a Distinguished Lecturer for the EMC Society.

In 2010 I was elected to the EMC Society Board of Directors as a Director-at-Large. I was subsequently elected twice more to the Board.

During my time on the EMC Board I was appointed as Chair of the Standards Development and Education Committee (SDECom), continuing until taking up the position of Society President. Some achievements as Chair of SDECom, working with colleagues on the committee and on the Society's Technical Committees, are to build the portfolio of standards activities to having one of the highest levels of activity for a society of our size; we have expanded the range of standardization topics to include Risk Management, Signal Integrity and with the upcoming 'virtual sandpit', Power Integrity (for which we will also reach out to other Societies and Councils for participation). We have also introduced 'Continuity Groups' to bridge the hinterland between standard



completion and revision as well as further integrate technical committees into standards activities and provide broader engagement opportunities.

Prior to being President-Elect, I was VP for Conferences (and previously the Global Symposium Coordinator), where we introduced our Global EMC Conference (GEMCCon), an international conference but focused on community networking. These have been held in Australia, Argentina, Brazil, South Africa, India and China (which was planned from the outset as a hybrid conference).

As the Society President, I led the transition of our 2020 flagship Symposium from “in-person” to “virtual” in the very short time available. I believe this was both a technical and financial success and involved new approaches to delivering technical and networking events and the exhibition, all of which are equally vital to a successful Symposium.

I currently also serve on the IEEE TAB Committee on Standards, the Conference Application Review Committee, and TAB Finance Committee.

### Statement

I believe no Society or Council exists in a bubble and there are ideas and practices in one that can contribute to the operation and goals of another. I see my role, should I be entrusted with the Division IV Director (Elect) position, of fostering those interactions and helping identify where collaborations can be beneficial for all parties; how to capture and share best practice, and how to work together to solve common problems, adapting collaboratively to our changing world. Similarly, the distinction between Technical and Geographical activities are diminishing; that is clear with the number of virtual events that have been held in the last year and the anticipation of hybrid events going forward.

Hence, my plans are primarily to build conversations, break barriers, challenge conventions and catalyze collaborations that can then help the individual Societies and Councils increase their engagement with members and prospective members, providing enhanced services, create more profound impact in the wider profession and do this in a financially sound way.

For IEEE Division Delegate-Elect/Director-Elect, 2022  
IEEE Division Delegate/Director, 2023-2024  
IEEE Division IV (APS, BTS, CTS, EMCS, MAGS, MTTs, NPSS)



**PETER N. CLOUT**

(Nominated by IEEE Division IV)

Retired

Santa Fe, New Mexico, USA

[www.peterclout.com](http://www.peterclout.com)

Peter Clout founded Vista Control Systems, a spin-off from Los Alamos National Laboratory, in 1989 and retired from the company at the end of 2017. Vista Control Systems develops and supports a software product used in government, research, and industry for collecting, displaying and storing real-time data. Prior to founding Vista, he developed control systems for two particle accelerators at Los Alamos. Further back, he was for three years at the European Molecular Biology Laboratory in Hamburg, Germany and 5 years at Daresbury Laboratory in England working on standards for CAMAC and developing data acquisition systems. Peter has degrees in Physics from University College, London (BSc) and the University of York (DPhil). He spent 9 months computer programming prior to University College London. His entire career has thus been involved with computer programming and the electronics for real-time systems for research, industry and government applications.

**IEEE Accomplishments and Activities**

(SM'85-LS'15-LF'19)

- As Secretary of NPS, quickly completed and distributed the minutes of meetings with all attachments, thus ensuring that members promptly had the information they needed. As President I managed the Society through difficult financial times, maintaining a business-like approach at AdCom meetings.
- Since 1998, as NPSS Communications Committee Chair my membership recruitment support, mostly with a membership desk at our conferences, and mailings, have held NPSS membership steady. This promotion of NPSS activities has helped our conferences and journals expand significantly.
- When I served as your Division Director from August 2010-December 2012, I worked to increase the sharing of experiences and developing cooperation between the Presidents of the Division increasing the value of the Board Series for all the members of Division IV.
- As the new Chair of TAB Society Review Committee, I quickly cleared a 2½ year backlog of reports and simplified the submission forms to concentrate on only useful information. Society and Council reviews were

held with a constructive and collaborative approach in marked contrast to previous years. For this contribution the Technical Activities Board passed a motion of thanks.

- As a member of the TAB Ad-Hoc committee on the proposed Hall of Honor and then as Chair of that committee, helped define and launched this valuable recognition and its web presentation of the honorees.
- I hold two Society-level awards, one for entrepreneurship and one for service to the NPSS and I have just been honored with election to the TAB Hall of Honor for services to Technical Activities.
- Accomplishments in process are to work on greatly improving the initiative funding process (allowing initiatives funded under the 50% rule to get underway at the start of the year) and to review existing and generate new financial operations documentation.

## Statement

The principles I bring to anything I do in IEEE, including the Board, is to serve the communities working within our field of interest. Primarily this service is through publications, conferences, technical meetings, and technical social interaction. The principle is to empower fellow IEEE volunteers to make decisions as close as possible to the point where the rubber hits the IEEE road and to make sure that they have the resources that they need. How can the Internet expand our reach while restoring the personal interaction we are missing now; the chat in the corridor, the dinner after a long day in the meetings with colleagues you see just once a year?

One personal goal is to change initiative procedures to be more stable and effective. This requires changes at the Board level as well as at TAB.

Faced with a difficult decision, I look for the right question to ask and then the decision becomes clear. "Does this help and support front-line volunteers to better meet the mission and vision statement of IEEE?"

For IEEE Division Delegate-Elect/Director-Elect, 2022  
IEEE Division Delegate/Director, 2023-2024  
IEEE Division IV (APS, BTS, CTS, EMCS, MAGS, MTTs, NPSS)



**BRUCE P. STRAUSS**

(Nominated by IEEE Division IV)

Retired  
Potomac, Maryland, USA

I earned my undergraduate and doctoral degrees from MIT and an MBA from the University of Chicago. Professionally, I spent ten years at the Fermi National Accelerator Laboratory, five years in industry, ten years as a consultant and twenty-two years at the Department of Energy. I retired from DOE in 2019. My work over the majority of my career has been on the management of very large scientific projects.

I have been very active in the field of superconductivity. I am a founder of the Applied Superconductivity Conference, Inc. (ASC, Inc.) and have served as its corporate treasure and conference chair. I have been an officer of the IEEE Council on Superconductivity since 2000 serving as Treasurer, President-Elect and President.

I am a recipient of the IEEE Council on Superconductivity Max Swerdlow Award. I am a Fellow of the IEEE, a member of Eta Kappa Nu (HKN) and Sigma Xi.

**IEEE Accomplishments and Activities**

(M'98-SM'00-F'05-LF'21)

Chair, 2007 MT-20, IEEE International Magnet Technology Conference, Philadelphia

Chair, 2014 MT-23, IEEE International Magnet Technology Conference, Boston  
Organizing Committee, Annual IEEE Low Temperature Superconductor Workshop, 2001-2019

Treasurer, IEEE Council on Superconductivity, 2001-2015

President-Elect, IEEE Council on Superconductivity 2015-2017

President, IEEE Council on Superconductivity, 2017-2020

Member, IEEE Presidents' Forum Ad Hoc, 2020

Managed IEEE Technology Milestone Award for the Fermilab Tevatron

IEEE Max Swerdlow Award for Sustained Service to the Superconductivity Community, October 2012

## Statement

If a great meteor killed off the dinosaurs, then COVID-19, as well as open access, have the possibility of doing that to professional societies such as IEEE. Operating units (OUs) need to make informed projections of changes in conference, meetings and publication revenues. OUs need to fully understand the impacts of open access publications. IEEE Corporate needs to increase both the knowledge of, and the planning for these major changes to the IEEE operating model.

In a talk given to the February Technical Activities Board meeting it is now clear that publishing in a respected peer reviewed journal is an elite economic privilege. Publication fees will be a burden. The economic justification for OA has been turned around. Those who could not read now cannot afford to publish.

The Institute needs to reassess its membership marketing and focus on the segment of early career engineers and scientists. We are clearly not resonating with this group.

For IEEE Division Delegate-Elect/Director-Elect, 2022  
IEEE Division Delegate/Director, 2023-2024  
IEEE Division VI (Education, IES, PSE, PCS, RS, SSIT, TEMS)



**STEFAN G. MOZAR, PHD, CPEng. IntPE (Aust)**  
(Nominated by IEEE Division VI)

CEO  
Dynexsys  
Sydney, Australia, and  
Adjunct Professor  
Guangdong University of Technology  
Guangzhou, China

Stefan is CEO of Dynexsys, and an Adjunct Professor at Guangdong University of Technology, and resides in Sydney.

Stefan studied engineering in Germany (Polytechnikum), and then in Australia. He was awarded his engineering degrees (BE, M.Eng.Sc.) from the University of New South Wales (UNSW) in Sydney, Australia. He studied for his doctorate at UNSW and Okayama University in Japan. He was awarded an MBA from the University of Technology, Sydney. He is an Australian Chartered Professional Engineer (CPEng).

Stefan has extensive experience in industry and academia. He has worked in Telecommunications, Consumer Electronics, and Industrial Electronics. He has held senior leadership roles as CEO, General Manager, and CTO.

He taught at a number of Australian, Asian, and British Universities. His work has resulted in inventions, patents, and publications. He has worked on projects that won about 28 design awards globally. He received many other awards from IEEE and Engineers Australia.

### IEEE Accomplishments and Activities

(M'88-SM'92-F'15-LF'20)

#### Society President:

- President IEEE Product Safety Engineering Society (PSES) (2020-2021)
- President IEEE Consumer Electronics Society (CE-Soc) (2013-2014)

#### Sections Congress 2017 in Sydney, Australia:

- Local Arrangements Chair
- Region-10 Sections Congress Chair

#### Educational Activities Board:

- Member Certificates, Certifications, and Credit-Bearing Programs Committee (CCCBP)

#### Technical Activities Board (TAB) Representative to Conferences Committee:

- Member Conferences Publications Committee (2016)
- Chaired "Conference finances" Ad Hoc (2013)
- Chaired "Conference naming" Ad Hoc (2012)
- Invited POCO presentations (2012-2013)

#### TAB Global Initiatives Committee:

- Committee Member (2013-2014)

#### TAB Life Sciences Technical Community:

- Chair of LSTC (2018-2019)
- General Chair First IEEE Life Sciences Conference (2017)
- Education Chair (2014-2017)

**Service on Section & Region Committees:**

- Chair Australia Council (2019)
- Innovations Committee Chair Region-10
- NSW, Australia
- Hong Kong
- Singapore

**Society Activities:****Consumer Technology Society (CT-Soc):**

- VP Operations & Planning (2019-2021)
- Past President (2015-2018)
- Distinguished Lecturer (2015-2016)
- VP Conferences (2010-2013)
- VP International Affairs & Chapter Relations (1998-2009)
- Founder of the award-winning *CE Magazine*
- Associate Editor: *CE Magazine*, *CE Newsletter*, *Transactions on CE*
- Chair Life Science Technical Committee (LTSC)

**Product Safety Engineering Society (PSES):**

- VP Conferences (2015-2019)
- Director-at-Large (BOG) (2011-2016)
- Associate Newsletter Editor

**Broadcast Technology Society:**

- Board Member-at-Large (2015-2017)

**Circuit and Systems Society:**

- Member Regional Activities Committee (R10)
- Member Finance Committee (2017)
- Board Member - Industry Representative (2017-2019)

**Reliability Society (Rel Soc):**

- Chair Maintenance Technical Group (2001-2008)

**Chapter experience:**

- Chapter Chair Consumer Technology Society in NSW, Australia
- Chapter Chair Engineering Medicine and Biology Society, NSW, Australia
- Founder Consumer Electronics Chapter in Singapore
- Co-founder Engineering Management Chapter Singapore
- Founder Engineering Management Chapter in NSW, Australia
- Chair Hong Kong Consumer Electronics Chapter
- He held various Chapter positions: Chair, Vice Chair, Treasurer

**Conferences:**

- He started 7 conferences in R-10, and 4 outside R-10.
- He served as the inaugural General Chair of Region 10 Tencon-Spring in 2013 (renamed to Tensys).
- He served on 100+ conference committees in leadership roles.

## Statement

The role of a Division Director is to represent the interests of all societies within their Division to the IEEE Board of Directors and to the TAB. I have been an IEEE volunteer for over 30 years and served as a volunteer in many capacities from grass roots positions to serving at TAB, MGA, and EAB. I know how the IEEE works and I am well known within the IEEE. If elected to the Division VI Director position, I will be an effective voice for Division VI. The network that I have built over many years in the IEEE leadership levels will enable me to effectively represent the interests of our Division.

I will also work towards diversity and inclusion in all IEEE activities. I will work across all Division VI societies with representatives from industry to cater for the needs of practitioners. I will also support our learned Society activities. IEEE needs to be an organization that adds value to its members' careers. Your vote counts and affects your benefits.

For IEEE Division Delegate-Elect/Director-Elect, 2022  
IEEE Division Delegate/Director, 2023-2024  
IEEE Division VI (Education, IES, PSE, PCS, RS, SSIT, TEMS)



**KAMAL AL-HADDAD**

(Nominated by IEEE Division VI)

Professor

Canada Research Chair in Electric Energy Conversion  
and Power Electronics

École de Technologie Supérieure

Montreal, Québec, Canada

<https://ca.linkedin.com/in/kamal-al-haddad-8a72b310>

Kamal Al-Haddad received the B.Sc.A. and M.Sc.A. degrees from the University of Québec, Canada, in 1982 and 1984, and the Ph.D. degree from the Institut National Polytechnique, France, in 1988. Since June 1990, he has been a Professor with École de Technologie Supérieure (ETS), Montreal, where he has been the holder of the senior Canada Research Chair in Electric Energy Conversion and Power Electronics since 2002. He has supervised more than 180 Ph.D. and M.Sc.A. students and established solid link with Canadian industries working in the field of Industrial electronics. He has coauthored more than 760 transactions and conference papers. He is a fellow member of the Canadian Academy of Engineering. He was IEEE IES President 2016-2017, IES Distinguished Lecturer, and recipient of the 2014 IEEE IES Dr.-Ing. Eugene Mittelman Achievement Award. Prof. Al-Haddad is a member of the Academy of Sciences and Fellow of the Royal Society of Canada.

**IEEE Accomplishments and Activities**

(S'85-M'88-SM'93-F'07-LF'20)

- General Co-Chair, 2021 IEEE Industrial Electronics Conference, Toronto, Canada
- General Co-Chair, 2018 IEEE Industrial Electronics Conference, Washington, DC, USA
- Member of IEEE Education Society Fellow Committee (2016-2020)
- Member of IEEE Power Medal Award (2017-2020)
- President, IEEE Industrial Electronics Society (2016-2018)
- General Co-Chair, 2017 IEEE Industrial Electronics Conference, Beijing
- Associate Editor, *IEEE Transactions on Industrial Informatics* (2010-2017)
- Honorary Chair, 2016 IEEE Industrial Electronics Conference, Florence, Italy



- President-Elect, IEEE Industrial Electronics Society (2014-2015)
- Vice President, Technical Activities, IEEE Industrial Electronics Society (2010-2014)
- Vice President, Publications, *IEEE Transactions on Industrial Electronics* (2008-2010)
- Distinguished Lecturer, IEEE Industrial Electronics Society (2010-present)
- Associate Editor, *IEEE Transactions on Industrial Electronics* (2006-2010)
- General Chair, 2016 IEEE International Symposium on Industrial Electronics, Montreal
- Technical Program Chair, 2004 IEEE International Conference on Industrial Technology, Tunisia
- Active Member of IEEE IES, IAS, PELS, and IEEE Education Societies

### Statement

I will work on establishing win-win business and sustainable activities to better serving the honorable members of the Division VI societies namely: Industrial Electronics Society, Education Society, Product Safety Engineering Society, Professional Communication Society, Reliability Society, Society on Social Implications of Technology, and Technology and Engineering Management Society.

My goal also is to initiate Societies interactions as well as to support technical and social activities designed to strengthen the link between the members. Moreover, organising annual open events where complementary technical and social interest of all six societies are put together which will strengthen links, create new dynamic and an enjoyable microclimate to initiate and sustain interaction between members. Social activities meant to let us forget this difficult pandemic time will be on the menu as well. You can count on me for that.

For IEEE Division Delegate-Elect/Director-Elect, 2022  
IEEE Division Delegate/Director, 2023-2024  
IEEE Division VIII (Computer)



**LEILA DE FLORIANI**

(Nominated by IEEE Division VIII)

Professor

University of Maryland at College Park  
College Park, Maryland, USA

<http://users.umiacs.umd.edu/~deflo/>

Leila De Floriani is a full professor at the University of Maryland at College Park. Previously she was a full professor at the University of Genova, Italy, since 1991, and held positions at Rensselaer Polytechnic Institute, University of Nebraska, and the Italian National Research Council. She has authored over 300 peer-reviewed publications in data visualization, spatial data modeling and analysis, and computer graphics. She was the 2020 IEEE Computer Society President, and the Editor-in-Chief of the *IEEE Transactions on Visualization and Computer Graphics*. She is an editor of several top journals in her field, and served on the committees of over 150 international conferences, contributing to several of them in a leadership capacity. She is a Fellow of IEEE, Eurographics, the International Association for Pattern Recognition, an inducted member of the IEEE Visualization Academy, an IEEE Computer Society Golden Core member, an IEEE-HKN member, and a Solid Modeling Association Pioneer.

**IEEE Accomplishments and Activities**

(A'09-M'09-M'12-M'13-M'14-SM'15-F'16)

I served as President of the Computer Society (CS) in 2020, which was a year of unprecedented challenges and transformative changes, yet also a year filled with great and numerous accomplishments, such as: 1) the creation of a new permanent CS committee on Diversity and Inclusion (D&I), and a dedicated fund to support it; 2) new D&I activities, from an interview series of prominent female scientists and professionals, to best practices for Society activities and against the use of racist, biased, and culturally insensitive language in Society products; 3) a restructuring of the Society governance to enhance bottom-up participation of volunteer leaders in decision-making; 4) an expansion of the open access publication portfolio; 5) a reinvigorated effort and focus on open science and reproducibility; 6) a successful temporary transition to virtual conferences; 7) a multilingual translation program for the CS website to fully engage non-English-speaking members; 8) a novel recognition program to honor Society members; 9) a new conference series, IEEE InTech Forum, targeted at industry. Despite the ongoing difficult worldwide economic situation, in 2020 the CS generated a high budget surplus, nearly doubling its reserves.

Some of my other IEEE activities include the following:

- IEEE CS Diversity and Inclusion Committee, Founding Chair (2021).
- IEEE CS Intersociety Cooperation Committee, Chair (2021); Member (2019-2020).
- IEEE CS Diversity and Inclusion Task Force, Chair (2020).
- IEEE Conferences Committee, Member (2021).
- IEEE Conference Publications Committee, Member (2021).
- IEEE Conference Diversity Best Practices Ad-Hoc Committee, Member (2021).
- IEEE Conference Open Access Ad-Hoc Committee, Member (2021).
- IEEE Technical Activities Board, Member (2020).
- IEEE CS Board of Governors, Member (2017-present).
- Executive Committee IEEE CS Visualization and Graphics Technical Committee, Member (2015-2018).
- *IEEE Transactions on Visualization and Computer Graphics*, Editor-in-Chief (2015-2018), doubling its impact factor and highly increasing the number of submissions; Associate Editor (2004-2008).

### Statement

IEEE is a global leader in science, engineering, and technology with a mission to serve both researchers and practitioners. In the post-Covid era, I believe that we need to respond to new challenges, by making them opportunities for growth:

- Enhance inclusiveness by promoting membership diversity through outreach activities and involvement of underrepresented groups as volunteers in publications, conferences, and governance.
- Define new strategies for engaging the IEEE community, through personalized benefits, specifically focusing on younger generations.
- Lead in open science and open access, changing the business model for journal and conference publications and expanding services offered.
- Develop sustainable financial models for hybrid conferences to provide unprecedented opportunities for geographic expansion in attendance and increasing gender diversity.
- Engage on a worldwide basis researchers and practitioners in emerging areas of science, engineering and technology.

I believe I am uniquely positioned to contribute effectively to the continued growth of the IEEE. If elected, I will draw on my professional background and experience as 2020 Computer Society President to address these challenges. For additional information, please visit: <https://defloriani-2022-ieee-division-viii-director-elect-candidate.umiacs.io/>.

For IEEE Division Delegate-Elect/Director-Elect, 2022  
IEEE Division Delegate/Director, 2023-2024  
IEEE Division VIII (Computer)



**SOREL REISMAN**

(Nominated by IEEE Division VIII)

Professor Emeritus of Information Systems  
California State University Fullerton  
Fullerton, California, USA  
<http://bit.ly/SorelReisman>

Sorel Reisman is Professor Emeritus of Information Systems at California State Fullerton, a Senior IEEE member, Computer Society (CS) President Emeritus, was the VP of the CS Publications Board, VP of the CS Electronic Products and Services Board, recipient of the CS Richard E. Merwin Award for Distinguished Service, is Chair of the Standing Committee of the signature CS COMPSAC conference, and a Fulbright Scholar. Sorel is a decades-long Computer Society and IEEE member and volunteer who has led and served on three of the six major IEEE boards, and dozens of CS and Institute committees. Through his volunteer activities and as past Managing Director of MERLOT ([www.merlot.org](http://www.merlot.org)), he has acquired the experience essential to understand issues and provide solutions for the IEEE and Computer Society's long-term viability.

**IEEE Accomplishments and Activities**

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

- CS President: Created/wrote the concept/policies for Special Technical Communities (STCs); 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.
- CS VP Electronic Products and Services Board: Initiated conversion of traditional magazines and transactions to all-electronic.
- CS VP Publications Board: Two-term Chair of Magazines Operations Committee; Chaired four EIC searches; Editorial board member of 3 magazines - *Software*, *Multimedia*, and *IT Pro*; Instrumental in launching *Multimedia and IT Pro*; current chair of *IT Pro* Advisory Board; oversaw planning/launching of *Transaction on Affective Computing and Transactions on Services Computing*; initiated CS's anti-plagiarism committee, policies/practices later adopted/incorporated by IEEE.
- COMPSAC Conference: Standing Committee Chair (2016-Present) – General Chair (2011); created the structure for annual conference financial success; launched new symposia - *Computer Education and Learning Technologies* (CELT) plus a new student OER contest, and *IT in*

*Practice* (ITiP) for practitioners. Pioneered one of IEEE's first 2020 virtual conferences.

- IEEE Conference Committees: Member of Publications Committee, Conference Portfolio Committee, Future of Conference IP Committee.
- Managing Director of the MERLOT project ([www.merlot.org](http://www.merlot.org)): Developed CSAB-aligned Computer Science and Information Technology online teaching/learning resource libraries and communities, endorsed by the Computer Society and Education Society.
- IEEE Publications Services and Products Board (PSPB): Elected Member-at-Large (2016-Present); Strategic Planning Committee (2014-2016); Nominations and Appointments Committee (2020, 2021).
- IEEE Technical Activities Board (TAB): CS representative (2011); EAB representative (2013); Strategic Planning Committee (2018-2020; 2021-2023); member of TAB Ad Hoc on Future Financial Stability of Societies and Councils (2021).
- IEEE Education Activities Board (EAB) (2012-2016): Member-at-Large; Continuing Education Committee, EIC IEEE eLearning Library, conceptualized the Integrated Learning Network (ILN).

## Statement

The CS and IEEE have been essential to the development of my professional career. I cherish my membership in the Institute and the friends my family and I have made through my decades-long volunteer activities. We are saddened by the pandemic's effect on our personal relationships and on the kinds of actions that've been necessary to move through this challenging period. Post-Zoom, we look forward to when we can meet directly, face-to-face, to address institutional challenges that existed before the pandemic and the new ones that have arisen because of it.

I have served on many committees concerned with, for example, the effects of open access on our publications; challenges regarding intellectual property and plagiarism; the future of real, virtual, and hybrid conferences; and membership diversity. I have extensive, hands-on experience on issues that will affect, in the years to come, all our colleagues – both members and non-members. I urge you to vote for me so that I can apply my expertise and experience to develop policies, practices, products, and services to address our post-pandemic lives.

For IEEE Division Delegate-Elect/Director-Elect, 2022  
IEEE Division Delegate/Director, 2023-2024  
IEEE Division X (CIS, CSS, EMBS, Photonics, RAS, SMCS)



**STEPHANIE M. WHITE, PHD**

(Nominated by IEEE Division X)

Senior Professor, Computer Science and Management Engineering  
Department of Innovation and Entrepreneurship  
Long Island University (LIU)  
Brookville, New York, USA  
[stephwhite.org](http://stephwhite.org)

Dr. Stephanie White is a lifelong IEEE volunteer. As President of Systems Council and Vice President of Computer Society Technical Activities, Dr. White received Outstanding Service and Golden Core Awards. She founded and Chaired an early IEEE Technical Committee on cyber-physical systems, promoting the new field. IEEE-USA recognized her work on diversity with an Award for Leadership in Diversity Initiatives. Dr. White's Ph.D. degree is in Computer Science from Polytechnic University, now part of NYU. Her B.S. and M.S. degrees are in Mathematics, from Hunter and NYU. She is a recognized expert in functional modeling/analysis of cyber-physical systems. At LIU, Dr. White teaches systems theory and systems engineering to doctoral students. Previously she was Manager and Principal Engineer of Requirements and Architecture for Aircraft and Space Programs at Northrop Grumman. An entrepreneur in the late 90(s), she was President of Systems World which conducted federally-funded research in model-based systems engineering.

**IEEE Accomplishments and Activities**

(AF'94-M'99-SM'01-LS'19)

I am a lifelong IEEE volunteer. You can view my positions at <https://stephwhite.org/>.

As Division X Director-Elect and Director, I will strive to accomplish my goals. Here I demonstrate that in past IEEE positions, I set goals and achieved them.

**Position:** IEEE Systems Council President, President-Elect, and Past-President, 2017-2020

**Goals:**

- Increase Systems Council (SC) Products and Services.
- Increase SC collaboration with Member Societies.

**Accomplishments:**

- Under my leadership, Systems Council created the Systems Security Symposium and initiated plans for a Conference in Asia.
- Fostered new Journal "Miniaturization for Air and Space Systems".
- Offered two annual \$5000 student scholarships.
- Increased size of the IEEE Systems Journal and its impact factor.
- Increased Systems Council reserve funds.
- Published Member Society activities and established Working Groups in areas of joint interest.

**Position:** IEEE Computer Society, Technical Activities Vice President, 2005-2007

**Goals:**

- Support and advise CS Technical Committees.
- Increase Computer Society (CS) technical activities.

**Accomplishments:**

- Increased the number of CS TCs and formed the first Joint Technical Committee with another Society.
- Merged CS Technical Activities and Conference Boards, giving TCs more control over conferences.
- Co-authored operations manual for merged Board.
- Expanded leadership and resolved domain issues.

**Position:** Founder and Chair, IEEE Computer Society Technical Committee on ECBS (Research domain now known as Cyber-Physical Systems), 1993-1999

**Goals:**

- Promote research in Cyber-Physical Systems (CPS).
- Provide a venue for publishing and networking.

**Accomplishments:**

- Organized annual international conferences with proceedings, attracting prominent CPS researchers.
- Fostered significant interest in CPS, as Guest Editors of IEEE Computer "Systems" Issue.
- Received significant government, industry, and university interest when Working Group results were published.

**A few additional positions:**

- 2021 VP, Member Services, IEEE Systems Council
- 2013-2018 Chair, IEEE Thesaurus Editorial Board
- 2013-2018 Representative, IEEE Publication Services and Products Board (PSPB)
- 2006-2008 Board of Governors, IEEE Computer Society

## Statement

I want to use the Division X Director position to improve the return on your investment, broaden IEEE's membership base, and advance technology for humanity. I am committed to collaborating with Division X Societies and Councils on initiatives benefiting IEEE including the following, which are my priority goals.

- Improve IEEE's search capability, so that IEEE customers (members and others) can more quickly find the information they require. This capability is needed when using both XPLORE and the IEEE website. This initiative requires collaboration between staff and volunteer experts. As former Chair of the Thesaurus Editorial Board, I have background to support this.
- Provide Industry professionals with trusted technical information (technology, methods, and processes that are proven to work), to foster their career advancement. IEEE Societies and Councils will benefit from the expanded industry membership base. A more informed industry will improve global economic growth.
- Continue to expand Open Access while supporting our traditional publishing models. Open Access is beneficial to scientific advancement and is necessary for moving science forward, especially in countries with developing economies.

For IEEE Division Delegate-Elect/Director-Elect, 2022  
IEEE Division Delegate/Director, 2023-2024  
IEEE Division X (CIS, CSS, EMBS, Photonics, RAS, SMCS)



**JACEK M. ZURADA**

(Nominated by IEEE Division X)

Professor

Department of Electrical and Computer Engineering  
University of Louisville  
Louisville, Kentucky, USA

[https://en.wikipedia.org/wiki/Jacek\\_M.\\_Zurada](https://en.wikipedia.org/wiki/Jacek_M._Zurada)

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, Zurich, a Visiting Professor at Princeton University, and a Distinguished Visiting Professor at NUS and NTU (Singapore).

He has authored several textbooks including the pioneering neural networks text and over 450 refereed publications in deep learning, neural networks and image/signal processing that have resulted in over 15,500 citations. He has advised 23 PhD students, now leaders in academia, Google, Facebook and Amazon. 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 scholarly society awards including the 2020 TAB Hall of Honor. He was elected to the Polish Academy of Sciences and awarded six honorary degrees.

### IEEE Accomplishments and Activities

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

Dr. Zurada served in a wide range of recent leadership roles that include membership four major Boards: IEEE Board of Directors (1 year), Technical Activities Board (7 years, including 1 year as Chair), Members and Geographical Activities Board (2 years as TAB Representative), and Publications Services and Products Board (2 years, includes 1 year as V-Chair). He has:

- Led a successful pioneering effort to deliver **educational products and services** created by Societies/Councils to IEEE/S/C members and also to the general public. The newly introduced **Resource Centers** currently support members' careers and life-long learning (2013-18).
- Launched the **Globalization Initiative** that fostered a new generation of IEEE/TA volunteers in publishing, conferences and governance. This endeavor brought a series of successful 'Train-the-Trainers' workshops to disadvantaged geo-regions (2013-16).
- Successfully championed the TAB-wide **Financial Transparency Initiative**. This multi-year effort has resulted in closer collaborations across the entire IEEE and has benefitted operations of Societies/Councils and other Boards (2014-).



- Supported and championed **12 new practitioner-oriented IEEE Magazines and three new Compendia/Virtual Journals** (as a member and/or Chair of the TAB Periodicals Committee 2006-13 and Chair of IEEE Transactions Committee).

### Select IEEE lead positions:

- Candidate for 2019 and 2020 IEEE President (nominated by IEEE BOD);
- IEEE Vice-President for Technical Activities (2014 TAB Chair and IEEE Director, Elect- 2013, Past- 2015);
- Chair, TAB Strategic Planning Committee, 2015;
- TAB Representative to MGA Board, 2016-17;
- Chair, TAB Nominations Committee, 2013;
- Chair, TAB Periodicals Review and Advisory Committee, 2012-13;
- Chair, TAB Periodicals Committee, 2010-11;
- Vice-Chair, PSPB, 2011;
- Chair, TAB Transactions Committee, 2000-09;
- President, IEEE Computational Intelligence Society, 2004-05;
- Chair/Member, IEEE/TAB/PSPB Strategic Planning Committees (2010-16);
- Editor-in-Chief, *IEEE Transactions on Neural Networks*, 1998-2003;
- Chair/Member of 140 various conference committees, 1995-present;
- Member of about 15 editorial boards in IEEE journals and with other publishers, 1995-present.

### Statement

As Division X Director I'll work with the Board of Directors and six Division X Societies and their Presidents to:

- Enhance the membership value to meet the needs of our members from different regions, age groups, career objectives, and especially from the industry.
- Build a technical synergy between the Division's Societies, act as the collective voice for their members, assist them in governance and best practices by keeping active communication channels.
- Utilize my experience in management, in technical, educational and member activities and strategy planning to benefit all members of CIS, CSS, PHOS, EMBS, RAS and SMCS.
- Energize geo-units (Chapters/Sections) and assist them in local technical activities driven by Societies/Councils.
- Leverage technology to deliver personalized services and products that have impact and relevancy for our members.
- Help in transforming IEEE from being a 'paper repository' to an AI-driven 'knowledge provider'. This could deliver highly filtered on-demand knowledge/products such as designs, algorithms, technical solutions, products or standards. As a neural networks pioneer, I know this could bring new revenues and opportunities.
- Effectively respond to Open-Access challenges.

For IEEE Region Delegate-Elect/Director-Elect, 2022-2023  
IEEE Region Delegate/Director, 2024-2025  
IEEE Region 1 (Northeastern USA)



**ALI ABEDI**

(Nominated by IEEE Region 1)

Associate Vice President for Research  
Professor of Electrical and Computer Engineering  
University of Maine  
Orono, Maine, USA  
<https://umaine.edu/wisenetlab/>

Ali Abedi received his PhD in Electrical & Computer Engineering (ECE) from University of Waterloo in 2004. He joined the University of Maine in 2005 where he is currently Associate Vice President for Research, and Professor of ECE with joint appointment at School of Computing and Information Sciences. His research includes wireless sensing for aerospace and biomedical applications resulting in 54 funded projects with total expenditure of over \$34M. Dr. Abedi was a Guest Researcher at National Institute of Standards & Technology, and visiting Associate Professor at University of Maryland – College Park in 2012, and faculty fellow at NASA MSFC in Huntsville, AL in 2016. Dr. Abedi is Co-founder of Activas-Diagnostics, author of over 115 journal and conference publications including 6 books and 2 awarded patents with over 44000 downloads. He received a number of awards and recognitions from NSERC, JSPS, CSA, IEEE, and NASA.

### IEEE Accomplishments and Activities

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

#### Accomplishments:

- Founded a local technical chapter, built succession, and sustained the local technical activities in the past 16 years with latest event (Fall AI series) attracted 1200+ registrations.
- Founded an IEEE International Conference, Wireless for Space and Extreme Environments (2013); grew conference with 248+ attendees with participation from international space agencies (NASA, CSA, ESA, JAXA), notable aerospace companies, and academics.
- Connected industry and IEEE by chairing the first IEEE Northeast Industry Day event which led into a series of similar events worldwide, bringing value to local industry members.

#### Activities:

**Local:** Maine Section: Secretary 06/15, Vice-Chair 07/16, Chair 08, HKN Faculty Advisor 18-21.

**Regional:** R1 PACE Chair 14-15, Chapters Coordinator 09-11, 18-19, Board of Governors 08-11, 18-20, Executive Committee 14-15, 20-21, Northeast Area Chair 20-21, Student Conference Chair 06, Paper Contest Chair 12, 17/18.

**MGA:** Committees/AdHoc: Geo Unit Operations Support 14-15, Center for Leadership Excellence 12-13, Volunteer Leadership Training (VOLT) Pilot 13, Member Benefits 12, AdHoc Conferences Committee 12.

**Technical:** Founding Chair Maine Communications/Computer Societies Joint Chapter '05-07, 13-15, Vice-Chair 10-11, Treasurer/Webmaster 05-18, IEEE Council on RFID (CRFID) Wireless for Space and Extreme Environments (WiSEE) Committee Chair 17-21, IEEE Communications Society, North American Region Board Member 14-16.

**Conferences:** Founding General Chair, IEEE WiSEE'13 (Baltimore); IEEE Northeast Industry Day'10 (Portsmouth); IEEE Int'l Fly By Wireless'10 (Orono); Tutorials Co-Chair, IEEE Vehicular Technology Conference VTC'15 (Boston); PHY Track-Chair, IEEE PIMRC'14 Conference (Washington). Publications Chair, IEEE Globecom'14 (Austin); and IEEE WCNC'22 (Austin). Technical Program (TPC) Chair, IEEE WiSEE'21 (Cleveland), 2020 (Italy/Virtual), 2019 (Ottawa), 2018 (Huntsville), 2017 (Montreal), 2016 (Germany), 2015 (Orlando), 2014 (Netherlands); TPC member of numerous IEEE conferences TPC member.

**Journals:** Associate Editor: IEEE RFID Journal (2016-Present); IEEE/KICS Journal of Communications and Networks - JCN (2013-present). Guest Editor: IEEE Sensors Journal Special Issue (2013-14); Guest EiC JCN Special Issue on Cognitive Networking (2013-14).

## Statement

As your next director, my focus will be on members in industry, academia, government, and NGOs. The future of our profession is undergoing significant changes as cyber security, artificial intelligence, and online collaboration become mainstream issues for our society. Jobs of the future are changing and members' needs are shifting. It is much easier to collaborate across the globe today than it was a decade ago. With information overload, IEEE can play an important role in curating accurate information based on sound scientific and ethical principles to help our members remain at forefront of technology. IEEE members can lead the world, making it a better place to live, communicate and thrive. If given this opportunity to lead Region-1, and become a member of IEEE Board of Directors, I strive to make global impact while keeping local activities relevant to the local industry. I had a balanced career in industry and academia, served IEEE for over two decades at both regional and technical capacities, and believe I have the experience to move Region-1 and IEEE forward.

For IEEE Region Delegate-Elect/Director-Elect, 2022-2023  
IEEE Region Delegate/Director, 2024-2025  
IEEE Region 1 (Northeastern USA)



**BALA S. PRASANNA**

(Nominated by IEEE Region 1)

Senior IT Manager/Executive (Retired)  
AT&T and IBM  
Holmdel, New Jersey, USA

With a rewarding and exhilarating career of over 35 years that began by joining the workforce during the nascence of the Information Technology revolution, I have architected, developed, managed and supported several multi-million-dollar mission-critical software systems. I have taught computer science, information technology, and career management courses at various universities. I was mentored by some of the best and brightest in the industry throughout my career as college professor, principal technical staff member, and senior IT manager/executive at SUNY, Bell Labs, AT&T & IBM and consistently ranked high among peers for leadership, management, humanistic skills and a record of results.

I am an IEEE Senior Member and have been a volunteer for over 25 years. I have served on the IEEE-USA Board of Directors, IEEE Region 1 ExCom and Board of Governors (present) and as New Jersey Coast Section Chair.

**IEEE Accomplishments and Activities**

(M'89-SM'00)

I have significant insight and experience into all aspects of the Region Director, thanks particularly to my time served as Region 1 Treasurer (11 years and counting) and IEEE-USA Board Member (2 years). At grassroots level, having served in various roles including chapter and section chair, I have a fundamental top-down and bottom-up understanding and appreciation of how things work and what needs fixing.

Working with disparate teams, and being in the thick of high visibility situations, has taught me well to endure and come out with heads held high and a win-win outcome for all involved.

**IEEE Activities:**

- IEEE- Region 1 EXCOM/BOG, Treasurer 2010-present (Audits, Timely Reimbursements, oversee Compliance of all region OUs)
- IEEE Member Benefits Committee Member 2020-21
- IEEE FINCOM Member 2016, 2017 (assessment increase for IEEE-USA)
- IEEE-USA Board Member – Secretary/Treasurer 2016 & 2017

(reappointed) (Strategy sessions for a new IEEE-USA, Budget)

- IEEE METSAC Vice Chair
- IEEE-USA PACE/SPAC National Speaker – (National & International, over 70 talks)
- IEEE Region 1 SPAC Coordinator
- IEEE NJ Coast Section – Chair, Vice Chair, Secretary, Awards Chair (present), Section rejuvenation

**Awards/Recognitions:**

- IEEE Third Millennium Award
- IEEE Region 1 Award

**Publications:**

- IEEE technical publications on Software Reliability Engineering

## Statement

*As IEEE Region 1 Treasurer*, I provided unblemished and accurate reporting, supported audits, provided timely service to volunteers, and led completion of region-level compliance by section/chapter treasurers. My time spent investigating, understanding, analyzing, and putting forth a moderate solution in several critical issues have made me a person to lean on by region leaders.

*As IEEE-USA Secretary/Treasurer and FINCOM member*, I was hands-on in learning and providing my input on financial matters.

I consider it an honor and privilege to be nominated by region 1 leadership as candidate for Region Delegate/Director.

If elected, I would work closely to empower fellow volunteers in policy and practical matters to be able to deliver maximum benefits to membership, be diligent in overseeing how every dollar is received and spent, and build and broaden relationship with peer volunteer leaders and IEEE staff to implement what is best for Region 1. I believe, with the pandemic's end in sight, we have innumerable possibilities and pent up energies we can synergize on to bring goods that matter to membership.

For IEEE Region Delegate-Elect/Director-Elect, 2022-2023  
IEEE Region Delegate/Director, 2024-2025  
IEEE Region 3 (Southeastern USA)



**ERIC GRIGORIAN, P.E., PMP**

(Nominated by IEEE Region 3)

Chief, Applied Systems Laboratory Aviation Systems Division

Georgia Tech Research Institute

Huntsville, Alabama, USA

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

Eric Grigorian is Chief Engineer and Chief of GTRI Applied System Laboratory's Aviation System Division, and a recipient of GTRI's Distinguished Performance Award in Program Development. Prior to GTRI, he was the Director of Engineering and Manufacturing for Yulista Aviation, responsible for full life-cycle support of product development and production of systems for the US Army Prototype Integration Facility. He was VP of Engineering and Manufacturing at AAR Integrated Technologies, developing product for DoD in support of Command and Control Systems. He has over 37-years of engineering career supporting commercial and defense industries. He holds 2 US Utility patents, is a Senior Member of the IEEE and was recipient of 2020 University of Alabama in Huntsville's Alumni of Achievement Award, 2019 James Beall SoutheastCon Recognition Award and 2006 IEEE Region 3 Outstanding Engineer of the Year Award. He has received numerous additional awards from previous employers and local technical societies.

**IEEE Accomplishments and Activities**

(S'81-M'86-S'87-M'87-S'88-M'91-SM'05)

- Chair, Region 3 Conference Committee, 2020-Present
- Member, IEEE USA Conference Committee, 2020 - Present
- General Chair, IEEE SoutheastCon 2019, 2016-2019
- Member, IEEE USA US Government Community of Interest Ad Hoc Committee, 2018-Present
- Organizing Committee Member, IEEE International Conference on Wireless for Space and Extreme Environments, 2017-2018
- Member, IEEE Region 3 Conference Committee, 2016-Present
- Member, IEEE Region 3 Award and Recognition Committee, 2016
- Chair, IEEE Region 3 Area 6, 2015-Present
- IEEE Section representative to Huntsville Area Technical Societies (HATS), 2012-present

- Chair, IEEE Huntsville Section, 2012-2013
- Chair, IEEE Huntsville Section Conference Committee, 2009-Present
- Co-Chair, IEEE SoutheastCon 2008, 2006-2008
- Chair, IEEE Huntsville Section 50th Anniversary Organizing Committee
- Chair, IEEE Huntsville Section Joint Communication, APS, MTT (JCAM) Society, 2003
- Steering Committee, IEEE RadarCon 2003, 2002-2003
- Steering Committee, IEEE AutoTestCon 2002, 2001-2002
- Chair, IEEE Huntsville Section, 2001-2002
- Vice-Chair, IEEE Huntsville Section, 1999-2000
- Chair, IEEE Huntsville Section AESS Society, 1998-1999
- Chair, IEEE Huntsville Section Educational Activities, 1997-1998
- Chair, IEEE UAH Student Chapter, 1982-1984
- Vice-Chair, IEEE UAH Student Chapter, 1981-1982
- Vice-Chair, UAH Eta Kappa Nu Chapter, 1982-1983
- Member, IEEE, 1981-Present

### Statement

As an active IEEE volunteer for over 37 years with technical and executive experience that include cross-domain management of technical teams nationally and internationally, I have the leadership skills to organize and enhance member benefits and engagement. As my continued efforts to serve IEEE members of Region 3, I plan to focus on:

- Utilizing knowledge gained in hosting successful SoutheastCons to help implement best practices for future conferences held within the Region
- Engaging our regional members with the means to expand their skill set
- Utilizing increased virtual capabilities gained over the past year to increase communication, collaboration, and participation within the Region and those in other Regions
- Expanding interaction of Young Professionals (YP) within the Region through mentorship, networking opportunities, and participation in leadership roles
- Increasing collaboration and joint exchange of information among IEEE and other technical societies
- Exploring opportunities for Region's engagement in areas of social impact

For IEEE Region Delegate-Elect/Director-Elect, 2022-2023  
IEEE Region Delegate/Director, 2024-2025  
IEEE Region 3 (Southeastern USA)



**JOHN PATRICK "PAT" DONOHOE, Ph.D. P.E.**

(Nominated by IEEE Region 3)

Professor of Electrical and Computer Engineering and Paul B. Jacob Chair (Retired June 2021)  
Mississippi State University  
Starkville, Mississippi, USA

Pat Donohoe received the B.S. and M.S. degrees in Electrical Engineering from Mississippi State University (MSU) and the Ph.D. degree in Electrical Engineering from the University of Mississippi. Dr. Donohoe joined the Department of Electrical and Computer Engineering at MSU in 1986 where he recently retired with the title of Professor and Paul B. Jacob Chair. His primary research interests include computational electromagnetics and radar. Dr. Donohoe has served as principal or co-principal investigator on 67 sponsored research projects with a total funding of \$36.9M, and has authored over 100 publications in refereed journals and conference proceedings. He is a registered professional engineer in the state of Mississippi and a member of Eta Kappa Nu. Dr. Donohoe has served as an ABET evaluator and is currently active with the National Council of Examiners for Engineering and Surveying, serving as chair of the Electrical and Computer Engineering Exam Committee.

### IEEE Accomplishments and Activities

(S'80-S'81-M'82-S'82-M'85-SM'99)

**Committees/Boards:** MGA Student Activities Committee Chair (2017-2018), MGA Member Engagement and Life Cycle Committee (2017-2018), TAB Representative – Selection Committee for Washington Internships for Students of Engineering (2018-2020), MGA Student Activities Committee (2013-2019), Regional Activities Board Nominations and Appointments Committee (2005-2006), Regional Activities Board Vice Chair – Student Activities (2001), Regional Activities Board Student Activities Committee (1996-2003). **Region 3:** Region 3 Executive Committee (1992-1994, 1996-2010, 2013-2016, 2019-present), Region 3 Secretary (2019-present), Region 3 Student Activities Chair (1996-2000, 2013-2016), Region 3 Educational Activities Chair (2002-2008), Region 3 Educational Activities Vice-Chair (1999-2002), Region 3 Professional Activities Operations Committee (1996-1999), Northeast Mississippi Subsection Executive Committee (1987-1996), Student Branch Counselor - Mississippi State University (1986-1996), Region 3 Area 6 Chair (1992-1994). **Societies/Publications:** Associate Editor - IEEE Transactions on Education (2001-2012), Associate Editor - IEEE Potentials (2002-2004), Member of Antennas and Propagation, Microwave



Theory and Techniques, Electromagnetic Compatibility, and Education Societies; Member - Eta Kappa Nu. **Awards:** Outstanding Student Branch Counselor Award (1996), Region 3 Director's Choice Award (2017).

My 41 years of IEEE membership span time as a student and 34 years in academia, throughout which I have been active in both geographic and technical activities. Serving in leadership positions at the Section (subsection), Region, and Board levels, my volunteer service includes a broad range of organizational components including student, technical, educational and professional activities. I have held various Region 3 leadership roles with long-term experience in SoutheastCon planning. The experience of leading large IEEE committees with members from all ten regions has given me an understanding of transnational and trans-regional issues within IEEE. I have been active in leading Student Branch leadership training workshops in Region 3. My volunteer experience has yielded a broad understanding of the organizational units of IEEE, the member life cycle, and the diverse nature of member engagement across the organization.

### Statement

As Region 3 Director, my overarching goal would be to establish effective member engagement and development across the Region, which is a considerably challenging task, given the diversity of members and wide-ranging benefits available to the members. The achievement of this goal requires (1) a collective effort from Section and Region leadership, (2) a clear understanding of what IEEE members find beneficial to their professional and educational growth at each stage of the member life cycle, and (3) the vision necessary to implement well thought-out strategies within the framework of the current organizational structure. As an organization, IEEE continues to struggle making members and prospective members aware of all that IEEE has to offer. Section and Region leadership should collaboratively develop strategies to improve member and nonmember awareness of IEEE benefits. These strategies should be designed as processes that are not impacted by the continual churn of volunteers in the organization. The implementation of the strategies must be local and led by Sections, Chapters and Student Branches in Region 3.

For IEEE Region Delegate-Elect/Director-Elect, 2022-2023  
IEEE Region Delegate/Director, 2024-2025  
IEEE Region 5 (Southwestern USA)



**HUNTER BOUDREAUX, P.E.**

(Nominated by IEEE Region 5)

Chief Electrical Engineer  
Lafayette Utilities System  
Lafayette, Louisiana, USA  
[www.lus.org](http://www.lus.org)

Hunter Boudreaux attained his Bachelor of Science from the University of Louisiana at Lafayette in Electrical Engineering in 2006. He worked for Associated Design Group (ADG), a consulting engineering firm from 1998 – 2008. At ADG he started as an office assistant and then transitioned to AutoCAD drafter and later designed lighting and power systems for residential and commercial buildings.

In 2008, Hunter began work at Lafayette Utilities System (LUS) with duties that include: design of protective relaying, transmission short circuit assessments, and substation and transmission line design and construction. Hunter became a licensed professional engineer in Louisiana in 2011. In July 2014, Hunter became the Chief Electrical Engineer at LUS. He has been an IEEE member since 2004, and the IEEE Lafayette section chair since 2014. Hunter has been married to his wife Jennifer for fourteen years, he has thirteen year old boy-girl twins and an eight year old daughter.

**IEEE Accomplishments and Activities**  
(S'05-M'07-SM'17)

Hunter's IEEE journey began in 2004 as a junior in college when he entered into the IEEE Region 5 student competition for mystery design held in the spring of 2005. Hunter was elected as the University of Louisiana Lafayette Student society chair for 2005-2006 school year. He continued with student competitions at Region 5 when his team entered into the robotics competition in the spring of 2006. After graduation Hunter transitioned from student member to full member. He has been an active member in his local IEEE Chapter. Hunter was elected the IEEE Lafayette Section vice chair in 2013 and since becoming the IEEE Lafayette Section chair in 2014 has remained the section chair. Hunter became an IEEE Senior Member in August of 2017.

## Statement

Since entering IEEE in college I have remained active in IEEE and attempt to bring IEEE and its benefits to my peers. I stay engaged with the student branch of IEEE at the University of Louisiana at Lafayette and want to ensure the minds of our future leaders are aware of IEEE. I hope to bring my enthusiasm and experience to aid IEEE to remain in the forefront of our communities.

For IEEE Region Delegate-Elect/Director-Elect, 2022-2023  
IEEE Region Delegate/Director, 2024-2025  
IEEE Region 5 (Southwestern USA)



**ANTHONY M. "MATT" FRANCIS**

(Nominated by IEEE Region 5)

President and CEO  
Ozark Integrated Circuits, Inc.  
Fayetteville, Arkansas, USA  
<https://www.ozarkic.com>

Dr. Matt Francis holds B.S.E.E ('03), B.S. Physics ('04), M.S.E.E. ('07) and Ph.D. ('09) degrees from the University of Arkansas, Fayetteville, AR, USA. He is President/CEO/Founder of Ozark Integrated Circuits, Inc. in Fayetteville, a provider of rugged electronics for aerospace and energy applications.

Dr. Francis is an expert in the design, modeling, and packaging of electronics for extreme environments, having led many projects supporting mil/aero and energy applications with NASA, DARPA, DOE, USAF, NSF and commercial partners. He was Ozark IC's payload specialist for the International Space Station (2019), coordinating live data collection from an ultraviolet sensor system designed by Ozark IC for a year in low earth orbit.

He lives in Elkins, AR with his wife and daughter, and serves as City Council Member. He is also co-founder of a non-profit, the Elkins Community Network, that strives to connect citizens to activities, community groups and businesses in the area.

### **IEEE Accomplishments and Activities**

(S'99-M'09-SM'16)

Matt has served in a number of volunteer roles within IEEE, including as Section Chair of the Ozark Section ('16-'19; R5 Outstanding Small Section '17), and as the current East Area Chair for Region 5 ('19-). To align with his passion for student engagement, entrepreneurship, membership and leadership development, Matt serves on the MGA Geographical Unit Operations and the IEEE-USA Entrepreneurship Policy and Innovation Committees, as well as a coordinator and co-founder of the IEEE Ozark Section sponsored Elkins Electronics/Robotics Club which engages students from 1st grade through high school in a unique electronics/ programming/ data science curriculum. He was recognized with an Outstanding Individual Achievement Award from R5 in 2017 and a Directors Award in 2020 for his section engagement programs.

In technical activities, he has authored or co-authored over 50 papers and

given invited talks in the areas of modeling, simulation electronics design and packaging. He has served as a reviewer to the IEEE Transactions on Power Electronics, Transactions on Electron Devices and Transactions on Circuits and Systems.

## Statement

If selected to serve, I will continue to focus on improving our experience for members of all levels; from students to life members. This starts with making the roles of our branch, chapter and section volunteers easier and more productive. The last year has been more different than anyone could have imagined. We have learned to take all of our region business virtual, and support our geo units in making this same transition. This challenging year created an opportunity to innovate that we can continue to build upon. In the coming years, we will learn how to offer the online events that expand our audience while continuing to offer the quality in-person programs our members have grown to expect. With the seismic shifts in many industries in our region, there is more than ever a need for quality professional development and support. As a region, we will strive to support everyone from students entering an evolving workplace, to experienced members adjusting to continuing changes in their careers and work environments. Our members and volunteers are the key, and engaging and supporting them through the Region's leadership will be our highest priority.

For IEEE Region Delegate-Elect/Director-Elect, 2022-2023  
IEEE Region Delegate/Director, 2024-2025  
IEEE Region 7 (Canada)



**MOHAMMED KHALID**

(Nominated by IEEE Region 7)

Faculty Member, Department of Electrical and Computer Engineering  
University of Windsor  
Windsor, Ontario, Canada

<https://sites.google.com/view/mkhalid-candidate-r7-director/home>

Dr. Mohammed A. S. Khalid (Ph.D., P. Eng., SMIEEE) received the Ph.D. degree in Computer Engineering from the University of Toronto in 1999. He has over 30 years of experience in teaching, research and development in academia and industry. His research interests are in architecture and CAD for field programmable chips and systems, electronic design automation (EDA) and embedded system design. He has published several papers in these areas and holds a U.S. Patent in architecture of reconfigurable systems. He has supervised and graduated more than 30 Masters and PhD students. His students have gone on to pursue successful careers in industry. His research has been funded by many provincial and federal government organizations as well as by many companies. He has been an active IEEE volunteer for over a decade and has served in leadership positions at the section and region levels.

**IEEE Accomplishments and Activities**

(S'85-M'86-M'89-S'94-M'98-SM'18)

I have been an active IEEE volunteer for over a decade and served in leadership positions at the Section and Region levels. I was the IEEE Canada Central Area Chair from January 2019 to December 2020. In this role I was in constant communication with the Central Area Section chairs to ensure timely reporting and that the Sections remain vibrant and active in terms of providing service to their members by organizing relevant events and activities. I attended all R7 Executive Committee meetings regularly to provide updates.

I was appointed as the Central Area member of R7 Audit Committee for 2021. This experience will be very useful if I am elected R7 Director-Elect.

I was the Chair of Windsor Section for 2017 and 2018. During that period, the Section experienced rapid membership growth. The Windsor Section won

the "Exemplary Small Section Award" for 2017. Due to rapid member growth it transitioned to a medium Section (more than 500 members) and won the "Exemplary Medium Section Award" for 2018. I served as a Counselor for the University of Windsor IEEE Student Branch from 2013 to 2016. The Student Branch won "Contribution and Leadership Award from South Eastern Michigan (SEM) Section (R4)", in Spring 2014. At that time, Windsor Section was part of IEEE Region 4. I served as the Publications Chair for CCECE 2017 conference held in Windsor.

I also served as Conference Chair for IEEE International Conference on Electro/Information Technology (EIT 2009, R4 annual flagship conference), held in Windsor, June 7 to 9, 2009. The EIT2009 conference was a great success and generated a large amount of financial surplus.

I have served as a reviewer for many reputed IEEE conferences and journals. I am a member of IEEE Circuits and Systems Society and Vehicular Technology Society.

### Statement

I have been an active IEEE volunteer for over a decade, holding many executive positions at the Section and Region levels. I have been a member of the IEEE Canada Board for the past four years and a member of the Executive Committee for past two years.

The key challenge for R7 in this pandemic related difficult period is to retain our existing members and attract new members. I will work with the R7 leadership team to implement the following plans:

- Adapt to continue providing excellent service to our members in this challenging pandemic situation.
- Continuous monitoring and improvement of R7 operations is crucial. I will follow up on section vitality reports and R7 strategic planning forum results to drive our planning.
- Facilitate cooperation between IEEE Canada and other organizations to provide meaningful solutions for current societal challenges related to the corona virus pandemic, climate change and green transportation technologies.
- Diversity is crucial for a successful and effective organization. I will encourage participation and leadership from diverse groups and regions, specifically under-represented groups, and women.

For IEEE Region Delegate-Elect/Director-Elect, 2022-2023  
IEEE Region Delegate/Director, 2024-2025  
IEEE Region 7 (Canada)



**THAMIR "TOM" F. MURAD**

(Nominated by IEEE Region 7)

Country Lead – Engineering & Technical Excellence  
Siemens Mobility – Canada  
Oakville, Ontario, Canada  
<http://linkedin.com/in/tommurad>

- Siemens Mobility Canada's Lead of Engineering & Technical Excellence (2019-Present)
- Order of Honour, Professional Engineers Ontario (PEO)
- Respected leader, award-winning Educator, distinguished speaker on Engineering, Talents, and Technology Innovation
- Joined Siemens in 2010, as Director of the "Expert House" and Engineering; Head of Siemens Engineering and Technology Academy (SCETA) Academy, corporate Head of Engineering, Technology and Academics
- Previously, Tom had various Executive Management and C-Suite positions with Professional Engineering practice career, including Academic and R&D work
- Board of Directors member/advisor/ fellow of many organizations in the Industry and Academia, including Ontario Postsecondary Education Quality Assessment Board (PEQAB), Engineers Canada Fellow, Ontario Society of Professional Engineers (OSPE) Board Vice-Chair, Canadian-German Centre of Innovation & Research; Ryerson University & Humber College
- Ph.D. in Power Electronics & Controls Engineering, Loughborough University of Technology - UK
- Engineering Award winner: Ontario Professional Engineers Award (OPEA); OSPE; Ontario Chamber of Commerce (Golden Award), PEO, Siemens, IEEE

**IEEE Accomplishments and Activities**

(M'99-SM'14)

- Chair – Executive Committee - IEEE Toronto Section/Board Member of IEEE Canada (2016-2018)
- Past Chair – IEEE Toronto Section (2018-2020)
- Presently, Member of the following IEEE's: Power Electronics Society,
- Power & Energy Society, Technology and Engineering Management Society,



- Electron Devices Society, IEEE Sensors Council, Transportation Electrification Community.
- Previously, Member of the following IEEE's: Communications Society, Control Systems Society, Industrial Electronics Society, Industry Applications Society, Instrumentation and Measurement Society, Intelligent Transportation Systems Society, Systems, Man, and Cybernetics Society, Vehicular Technology Society.

### **IEEE Engineering Awards & Recognition**

- IEEE Canada J.M. Ham Outstanding Engineering Educator Award (2019)

### **IEEE Activities & Contributions examples:**

- Member of the Industry Advisory Committee (IEEE – ISGT 2021) (2020-21)
- Keynote Speaker – IEEE Toronto COMSOC Summer Talk (2020)
- Keynote speaker & Panelist – IEEE WIE-ILS International Leadership Summit (2018)
- Panelist – IEEE Ryerson Grad Talk on Engineering Wellness (2018)
- Keynote speaker & Panelist – IEEE Canada Multigeneration Summit (2016)
- Keynote speaker – 16<sup>th</sup> Annual IEEE Electrical Power & Energy Conference (2016)

## **Statement**

IEEE is a global leader in science, technology, and innovation, and has enormous capacity to achieve wide social impact, technical breadth and contributions to Global Standards, Public Policy, Sustainable Development, Continuing Education and Certification, and Ethics in Technology.

IEEE is a home for professionals, students, and researchers providing leadership, foresight, influence, and direction in best practices, education, and leading-edge research; therefore must continue to earn the professionals' trust and provide extensive opportunities for professional networking, career development, and life-long learning.

As an experienced Industry leader and long term volunteer, I would provide consultative, valuable guidance for the Region's sections, Societies, and Chapters towards effective strategic planning and financial accountability and influence discussions related to Public Policy, Sustainable Development, Continuing Education, Ethics in Technology Standards. I believe I have the insights, dedication, and experience to help IEEE prosper, overcome our impending challenges, extend relations with other professional associations, inspire future generations of engineers and scientists through IEEE committees. I am deeply committed to equity, diversity, and inclusion (EDI) and (WIE) at all IEEE levels.

For IEEE Region Delegate-Elect/Director-Elect, 2022-2023  
IEEE Region Delegate/Director, 2024-2025  
IEEE Region 9 (Latin America)



**JORGE E. MONZÓN**

(Nominated by IEEE Region 9)

Professor, Engineering Department  
School of Exact and Natural Sciences  
Universidad Nacional del Nordeste  
Corrientes, Argentina  
[www.jemonzon.com](http://www.jemonzon.com)

Jorge E. Monzón received his PhD from Northeastern National University (UNNE) and his Electronics Engineer degree from the University of Tucuman, in Argentina. He received two MS degrees, in EE, and in Biomedical Engineering, from the University of Wisconsin-Madison. At UNNE, he works on biomedical digital signal processing and on professional issues. He was the head of the Engineering Department at the Corrientes Institute of Cardiology, and CEO of Systole SRL. He has lectured in several countries. He is co-editor of Cardiac Fibrillation-Defibrillation (Intermedica) and contributing author to Interfacing Sensors to the IBM PC (Prentice-Hall), to Bioinstrumentation (Wiley) and to Biomedical Engineering Education (IGI), and associate editor of the EMB Magazine. He has been president of Latin American Regional Council on Biomedical Engineering (CORAL), and founding president of the Argentine Society of Bioengineering. He is listed in Who's Who in the World, in America and in Science and Engineering.

**IEEE Accomplishments and Activities**

(M'81-SM'98-LS'18)

**COMMITTEES/BOARDS:**

- IEEE Life Members Committee, 2020-2021.
- IEEE Conferences Committee, 2018-2019.
- IEEE TPIC-CQC, 2018-2021.
- IEEE TAB N&A, 2008-2009.
- IEEE Membership Development Community, 2007.

**SECTIONS/CHAPTERS:**

- LMAG Secretary, Argentina, 2021-2022.
- Founding member, IEEE EMBS Chapter, Argentina, 1992.

**SOCIETY:**

- Engineering in Medicine and Biology Society: 1981-present.
- Vice President for Member and Student Activities, 2006-2009.
- Member Elevation Committee, Chair, 2021.
- Associate Editor, IEEE EMB Magazine, 2006-2009.
- Awards Committee, 2000, 2006-2008.
- Regional Conferences Committee, Chair, 2005.
- Region 9 Representative, 1998-2001.
- Conference Committee, 2000-2004, 2007-2010.
- C&B Committee, 2003-2005.
- EMB Magazine Editor Search Committee, 2000.

**CONFERENCES:**

- General Conference Chair, 25<sup>th</sup> Annual International Conference of the IEEE EMBS, Cancun, 2003.
- Program Chair, 32<sup>nd</sup> Annual International Conference of the IEEE EMBS, Buenos Aires, 2010.
- EMBS Conference Editorial Board member, 2008-2019.
- International Conference Committee, IEEE-EMBS 20<sup>th</sup> Annual Conference, 1998.
- International Committee, World Congress on Medical Physics and Biomedical Engineering and 22<sup>nd</sup> IEEE-EMBC, 2000.
- International Scientific Committee, IEEE TENCON 2001, Singapore.
- President, Second Latin American Congress on Biomedical Engineering, Havana, 2001.
- Program Committee of IEEE-EMBS Annual Conferences EMBC'2001, EMBC'2002, EMBC'2004-2009, EMBC'2011-2012.

## **OTHERS:**

Current member:

- IEEE Biometrics Council.
- IEEE Council on RFID.
- IEEE Life Sciences Community.
- IEEE TechEthics Community.

Former member

- IEEE Circuits and Systems Society.
- IEEE Computer Society.
- IEEE Education Society.
- IEEE Signal Processing Society.
- Founding member of the Latin American Council on BME (IEEE sponsorship).

As Conference Chair for the 2003 EMBC in Cancun, he recruited IEEE members from the Americas, to successfully organize the first EMB conference in Latin America. As Program Chair of EMBC 2010, he transformed its organization into a Latin American regional endeavor, key to the large attendance to this first EMB Conference in the southern hemisphere.

His initiative as EMBS Vice President for Members led to 300 new SM in 3 years. He designed new student activities for EMB conferences.

## **Statement**

IEEE faces a wide range of issues, challenges and opportunities, especially in Latin America. I believe that member recruitment and recognition are essential to a larger and stronger society. We need to project IEEE to a higher level, enhancing the public visibility of member and volunteer achievements and the benefits to the community that results from its activities. We should work with industry leaders to identify and launch new IEEE services that could benefit practicing engineers and managers in the region, while consolidating our members from academia. My goal is to meet the demands of our members. We must identify and cultivate new partners who will join us in better serving our regional communities. We have to harmonize the national identities and common roots of our membership, and to promote IEEE activities across the Americas, especially in areas where long distances and low membership are key issues. I commit myself to coordinating -with the help of Sections and Chapters- the initiatives of enthusiastic IEEE members in every country of Latin America.

For IEEE Region Delegate-Elect/Director-Elect, 2022-2023  
IEEE Region Delegate/Director, 2024-2025  
IEEE Region 9 (Latin America)



**JENIFER P. CASTILLO RODRIGUEZ**

(Nominated by IEEE Region 9)

Project Specifications Manager – Latin America  
Parker Hannifin, Instrumentation Group  
Vega Alta, Puerto Rico  
<http://jencastillo.mailchimpsites.com/>

Mechatronics Engineer, graduated from Universidad de San Buenaventura, Colombia (2006). MBA – International Enterprises from the Polytechnic University of Puerto Rico.

In 2007, Jenifer started her career as Marketing and Technical Support for Parker Hannifin's representative in the Automation and Filtration divisions. In 2011, she joined Ingersoll Rand as an Applications Engineer, and by 2012 was promoted to Sales Coordinator of the Caribbean, being in charge of the Business Development in that Area.

In 2014, she joined Parker Hannifin Corporation (Parker's headquarters: Cleveland, Ohio, USA), as the Territory Manager for the Caribbean. In this role, she was responsible of the Business Development of different Parker groups, in the different markets of all the countries in the Caribbean (except Cuba), including the Guyanas. Recently, she started a new position in Parker, in charge of the Instrumentation Group's projects specifications for Latin America.

Jenifer speaks Spanish, English and Portuguese fluently.

**IEEE Accomplishments and Activities**

(S'04-M'09-SM'16)

COMMITTEES/BOARDS: Women in Engineering Committee (WIEC) Chair 2021; Industry Engagement Global Committee Member 2021; WIEC Member-at-Large, 2019-2020; HAC Disaster Response AdHoc Committee Member, 2020;

REGIONS: R9 Secretary, 2020-2021; R9 Governance Committee Chair, 2020-2021; R9 Industry Engagement AdHoc Committee Chair 2019.

SECTIONS/CHAPTERS: Puerto Rico and Caribbean Section (PRCS) Chair 2018-2019; PRCS Technical Activities Chair 2020; PRC IAS Chair 2018, 2019; PRCS YP Coordinator 2018, PRCS SAC, 2017; PRC and Colombia WIE Sections Chair and Founder; Colombia IAS Chapter Chair, Colombia YP Chair, 2016 and before.

STUDENT BRANCHES: University of San Buenaventura SB Chair, 2005-2006; and WIE AG Chair, 2004.

OTHERS: Red Cross Volunteer, leading MOVE initiative in PRCS. IES Member. Former member of IAS and ComSoc.

GOVERNANCE DOCUMENTS UPDATE REGION 9: Documentation outdated

for 10+ years. With the governance committee:

- Led the update of the Region's Bylaws. Approved on 2020.
- Led the translation of the Region's Operations Manual. Approved on 2020.
- Is leading the update of the Region's Operations Manual.

WIE AFFINITY GROUPS GLOBAL ASSESSMENT AND MEMBERSHIP DEVELOPMENT DRIVE:

- Global assessment of AG's status, identification of members and volunteers needs for the sustainability of the groups.
- Creation of Women in Industry Subcommittee.

STUDENT BRANCH REGIONAL MEETING (SBRM) 2019 – SANTO DOMINGO, DR:

- Event Chair. 25% of content in English as an inclusion tool.

PUERTO RICO AND CARIBBEAN STUDENT AND YP MEETINGS:

- Led the first 3 editions of the Section Student Branch Meeting.
- Co-organizer of the first YP Summit.

PROJECT TOGETHER WE CAN - BRIGHT: Co-led the project as a response to Hurricane Maria outcome, with IEEE Foundation, HAC, and PR&C Section. Our Section won R9 Best Achievement Award, 2018.

Awards and Recognitions:

- MGA Achievement Award 2020
- R9 Outstanding Volunteer Award "Oscar C. Fernandez", 2020.
- R9 Regional Director Discretionary Award R9, 2019.
- R9 Theodore Hissey award 2017.
- MGA GOLD Achievement Award in 2010.

## Statement

Although I've had the opportunity to understand the current needs, as director elect I would focus on doing a Members and Volunteers assessment to establish their needs in future years, and best practices in different sections, leading to serve better our members and enhance their experience.

- Technical and Educational Content: Hybrid model for the main Regional events, reaching a larger audience and granting sustainability. In addition to keep up an online platform with content in different languages for the members.
- Inclusion: Give continuity to successful programs YP and WIE are running and support new initiatives. Reignite the Consultants Network in the Region with the support of the AG's.
- Industry and Entrepreneurship:
  - Content focused on the main markets, with transversal technical information for members
  - Strategy for Target accounts to associate with to achieve sponsorships, leading to lower registrations fees and Industry Distinguished Lecturers for events.
- Understand IEEE's global strategy and Regionalize the most suitable initiatives for the benefit of our members and the growth of the Region.

## For IEEE Standards Association President-Elect, 2022 IEEE Standards Association President, 2023-2024



### ROBBY ROBSON

(Nominated by IEEE Standards Association)

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

[www.robbyrobson.com/IEEESA](http://www.robbyrobson.com/IEEESA)



Meet Robby by watching a brief video on the IEEE Annual Election website at [www.ieee.org/elections](http://www.ieee.org/elections) or scan the QR code.

Robby received his Ph.D. from Stanford in 1981, joined the mathematics faculty at Oregon State University in 1984, was an Alexander von Humboldt fellow, and received tenure in 1989. In 1995 he co-created one of the first online learning systems and moved to industry as Saba Software's "standards evangelist" in 2000. In 2001 he co-founded Eduworks Corporation, a company that applies AI to education, training, and workforce development, where he is CEO. Since 2000, Robby has chaired Working Groups and two standards committees and served on multiple IEEE-SA boards and standing committees. Within the Computer Society, he helped launch new standards committees in AI, Blockchain, Smart Manufacturing, and Data Compression. As a member of the IEEE-SA Standards Board and Board of Governors, he was instrumental in launching IEEE-SA OPEN. Robby has worked on standards in the W3C, CEN/ISSS, and ISO/IEC JTC1 SC36 and has over 100 publications and three patents.

### IEEE Accomplishments and Activities

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

**Computer Society Standards:** Robby joined the IEEE in 1999 and has been active in standards since 2000. As Chair and Vice Chair of the Learning Technology (C/LT) Standards Committee he developed standards critical to the global ELearning industry. As Vice Chair of the Computer Society Standards Activity Board, Robby worked with leaders from 802, Software Engineering, Design Automation, and other Computer Society standards committees. He chairs the C/SAB standards committee that mentors and manages work not covered elsewhere in the Computer Society. This committee generated five new IEEE standards committees in emerging technology areas since 2019 and as of 2021 had 31 projects with working group chairs from the US, Italy, Korea, China, and India.

**IEEE-SA and IEEE Governance:** Robby has served on the IEEE SA Standards Board (SASB), SA Board of Governors (BoG), NesCom, RevCom, ICom, and PatCom, the Corporate Advisory Group (CAG), the Education Activity Board (EAB) Continuing Education Committee, TAB Committee on Standards, and the IEEE Future Directions Committee. Robby oversaw the development of Open Source for the BoG and has chaired the Open-Source Committee (OSCom) since its inception. He now chairs the Market Incubation and Business Acceleration SMDC, responsible for overseeing business aspects of IEEE SA Open. In 2019, Robby was appointed chair of the EAB/SA Standards Education Committee. He revitalized the committee, strengthened connections with TAB, and facilitated development of *Working Group Chair Fundamentals*, the number one title on the IEEE Learning Network in 2020. Robby has published articles on standards and open source in *Computer* magazine and has presented at IEEE conferences. He was a founder and the first conference chair for the IEEE Industry Connections Industry Consortium on Learning Engineering (ICICLE), which attracted 600 members its first year, and is a founding board member of the IEEE ISTO Adaptive Instructional System consortium.

## Statement

IEEE-SA members are the leading producers of market-driven open consensus standards that impact every aspect of our lives. We have helped launch entire industries and contribute significantly to the IEEE mission. To sustain and build on this success, the IEEE-SA must serve a greater number of IEEE societies, geographies, industries, and communities while increasing support for members and working groups with tools and staff. In the aftermath of a pandemic and in the face of rapid social, economic, and technological change, this will require agility, invention, collaboration, and hard work.

I am passionate about the IEEE-SA and honored by the opportunity to lead it. I bring standards experience, business and leadership skills, and a record of successfully launching and managing initiatives within the Computer Society and IEEE-SA. As IEEE-SA President-Elect, I will collaborate with industry, IEEE OUs, and global stakeholders to ensure our value is recognized and promoted. I will advocate for volunteers, increase openness and transparency, support new and existing technical areas, and strive to create high-quality market-relevant products and services that expand our reach, support our work, and secure the future of IEEE-SA. I ask for your vote so that I may have the privilege of doing this.

# For IEEE Standards Association President-Elect, 2022 IEEE Standards Association President, 2023-2024



## YATIN TRIVEDI

(Nominated by IEEE Standards Association)

Semiconductor Solutions Architect  
Altran/Capgemini  
San Jose, California, USA  
[www.ytrivedi.com](http://www.ytrivedi.com)



Meet Yatin by watching a brief video on the IEEE Annual Election website at [www.ieee.org/elections](http://www.ieee.org/elections) or scan the QR code.

Yatin has been a governance volunteer with IEEE SA for the past 14 years and a standards developer in the electronic design automation (EDA) industry for 31 years. He served as SA Treasurer and member of its Board of Governors for three consecutive terms (2015-2020), during which SA made greater strategic investments in long-term initiatives without undue risk. Through SA outreach activities, he initiated and strengthened industry partnerships internationally.

Yatin co-founded IEEE Standards University with IEEE NIC support and served as editor-in-chief for IEEE's Standards Education eZine (2011-2019).

A seasoned semiconductor solutions architect, Yatin leads designs of complex system-on-chip (SoC) at Altran. He published two Verilog HDL books and 100+ technical papers, tutorials, and articles through industry conferences and trade journals.

Yatin serves as the board chair for IEEE-ISTO, an industry alliance federation. He was inducted into IEEE-HKN and also received the prestigious Ron Waxman DASC Meritorious Service Award.

## IEEE Accomplishments and Activities

(M'85-SM'12)

### 2021 Positions:

- Member, Board of Governors, IEEE-SA
- Vice President, Financial Sustainability SMDC, IEEE-SA
- Member, Industry Connections Committee
- Member, Strategic and Emerging Standards Committee
- Vice chair, Design Automation Standards Committee (DASC)
- Chair, Board of Directors, IEEE-ISTO

### Past Governance Positions in IEEE-SA:

- IEEE-SA Board of Governors (BoG, 2015-2020)
- IEEE-SA Treasurer (2015-2020)
- IEEE-SA Finance Committee (2015-2020)
- IEEE-SA BoG Vice Chair for Appeals (2020)
- IEEE-SA BoG Strategic and Emerging Standards Committee (2020)
- IEEE-SA BoG Corporate Advisory Group (CAG, 2012-2016)
- IEEE-SA Standards Board (SASB, 2012-2015)



- IEEE-SA SASB Audit Committee (2011-2014)
- IEEE-SA SASB New Standards Committee (2011-2014)
- IEEE-SA SASB Administrative Committee (2015)
- IEEE-SA SASB Appeals Pool (2013-2015)
- IEEE-SA Industry Connections Committee (2012-2015, Chair 2015)
- IEEE-SA Nominations and Appointments Committee (2016-2018)
- IEEE-SA Awards and Recognition Committee (2014)

Other IEEE OUs:

- IEEE Fincom Nextgen Implementation Oversight Committee (2020)
- IEEE Public Visibility Committee (2016)
- IEEE Standards University (NIC Funding, 2016-2018)
- IEEE Standards Education eZine (Editor-in-Chief, 2011-2019)
- IEEE MGA Region 1-6 representative to Education Activities Board (EAB, 2017)
- IEEE-SA Representative to IEEE Finance Committee (IEEE Fincom, 2015-2020)
- IEEE-SA Representative to Publication Services and Products Board (PSPB, 2017-2018)
- IEEE-SA Representative to PSPB/TAB Products and Services Committee (2017-2018)
- IEEE-SA Representative to IoT Multi-Society Technical Group Activities Board (2018)
- IEEE-SA representative to Education Activities Board (EAB, 2012-2016)
- IEEE-SA/EAB Standards Education Committee (2009-2019, Chair 2013)
- IEEE EAB Continuing Education Committee (2013-2016)
- IEEE EAB Section Education Outreach Committee (2017)
- IEEE EAB Educational Products Editorial Committee (2015)
- IEEE EAB Nominations and Appointments Committee (2015-2017, 2020)
- IEEE EAB Awards & Recognition Committee (2012-2016)
- IEEE Get Program, Accellera Liaison (Free DASC standards) (2012-2017)
- IEEE Computer Society/DASC Working Groups (Many, 1991-2016)

## Statement

Technology standards help build interoperable solutions that improve lives independent of geographical, political, language, and cultural barriers. Worldwide volunteer participation in IEEE SA standards development groups clearly demonstrates this.

SA provides the basis of operational excellence for our global, open, and transparent organization. We need to keep SA in sync with rapid advances in technology use, changes in legal and business systems, and our goal of serving humanity to maintain this excellence.

For the past 14 years, I've had the good fortune of working globally with some of the best SA volunteers and awesome staff. Guiding its financial management as Treasurer, I ensured SA grew by investing strategically in long-term initiatives without undue risks.

As SA President, my key focus areas will be to:

- Expand SA beyond its traditional technology focus into standards' impact on society through initiatives like ethical challenges in AI or open-source collaborative development
- Grow SA's flagship Corporate Program in emerging technologies to benefit the next generation of solution developers
- Improve the financial sustainability of SA through innovative products and services

I need your help to achieve these goals as SA President, and I seek your support to serve the standards community. Thank you.

## For IEEE Standards Association President-Elect, 2022 IEEE Standards Association President, 2023-2024



### MARK EPSTEIN

(Nominated by Petition)

Senior Vice President – Consultant  
Qualcomm Incorporated  
San Diego, California, USA  
<https://electmarkepstein.com/>



SCAN ME

Meet Mark by watching a brief video on the IEEE Annual Election website at [www.ieee.org/elections](http://www.ieee.org/elections) or scan the QR code.

Mark received a Ph.D. from Stanford, M.S. and B.S. degrees from M.I.T., and was a Harvard Fellow. He is a Senior Vice President consultant at Qualcomm, where he supports standards activities for Wi-Fi, cellular, power line and personal area networks. Mark has been at Qualcomm from the beginning providing key leadership in helping it grow into the successful business it is today. Previously, Mark was Deputy for Communications (C31) for the Secretary of the Army, where he guided the Army's electronics research. Earlier, he was at CSC and Northrop. Mark has five publications and a patent on communications by polarization rotation.

Mark is on the Boards of ATIS, TIA, and the US ITU Association. He is a trustee at MIT and a board member of the Shakespeare and Studio Theaters. He plays piano and violin.

Mark brings broad industry standardization experience and a successful inclusive management style to the IEEE.

### IEEE Accomplishments and Activities

(S'60-M'68-SM'74-LS'09)

I am a member of the IEEE Power and Energy, Computer and Communications Societies.

I joined IEEE at MIT and was elected President of the Student Branch. My long involvement in standards began with proposing wideband solutions for a new wireless band in Canada, and then an advanced wide area wireless technology in IEEE 802. Then I served on the Standards Board and its committees, where I encouraged minimizing bureaucratic obstacles and keeping the standards process as easy and as fast as possible.

I then served on the BOG and CAG and their governance committees:

- VP and Chair, Financial Sustainability SMDC
- VP and Chair, Product and Services SMDC
- Chair, Awards and Recognition Committee

- Chair, Ad Hoc on Member Retention
- Chair, Strategic Planning and Portfolio Management Committee
- Ad Hoc Council
- Fellows Committee
- Industry Connections Committee
- Appeals Pool
- Nominations and Appointments Committee
- SA Representative to ISTO
- ICAP Steering Committee
- Standards Conduct Committee
- Strategic Planning Advisory Group
- Global Coordinating Committee
- International SDO Advisory Group

I also have served on IEEE New Initiatives Committee and Awards Board.

I proposed incentives to grow our Corporate Membership, including specialized collateral material; integration of promotions with ISTO; webinars; and educational material. The number of members has grown dramatically.

I proposed expanding the scope of SA Awards to monetarily incentivize our awards; recognizing IEEE fellows active in standards; and expanding awareness by engaging WG chairs, Societies and Councils.

I proposed and succeeded in getting the IEEE to be a member of the Global Standards Collaboration, a key recognition for the SA.

My objective is to ensure that the IEEE Standards Association is the best place for standardization of new ideas and technologies, and to work hard and be dedicated to its success.

## Statement

I have worked for many years to ensure that the IEEE Standards Association is the internationally recognized premier venue for creation and development of technically excellent and market-relevant standards. I am running to continue the success of the IEEE Standards Association and make it even better.

I pledge as your President to work hard to:

- Provide greater value to you by increasing investment in modern state-of-the-art standards development platform tools and staff support. This will reduce the time you spend on the mechanics of drafting documents and on doing document and meeting management so you can focus on producing higher quality content
- Improve standards management processes to make them much more open and allow for more consensus in developing or changing the rules under which standards are developed
- Improve our standards products by improving the quality of standards processes so that all IEEE standards better meet market needs
- Attract more technologies by demonstrating the added value of using the IEEE to prepare standards
- Make our work more valuable by enhancing the international reputation of IEEE standards
- Advocate for openness, fairness and diversity of our volunteer leadership

# For IEEE Standards Association President-Elect, 2022 IEEE Standards Association President, 2023-2024



## YU YUAN

(Nominated by Petition)

President & CEO  
OxSenses Corporation  
Marina del Rey, California, USA  
[www.OxSenses.global](http://www.OxSenses.global)



Meet Yu by watching a brief video on the IEEE Annual Election website at [www.ieee.org/elections](http://www.ieee.org/elections) or scan the QR code.

Dr. Yu Yuan is a visionary researcher, inventor, practitioner, and entrepreneur in the areas of Consumer Technology, Multimedia/VR/AR, Connected/Automated Vehicles, IoT, and Digital Transformation. He founded OxSenses Corporation, a multinational technology company specializing in Virtual Reality. Dedicated to "Creating Better Worlds" as its long-term vision, the company is developing technologies, infrastructures, ecosystems, and resources needed for massively multiplayer ultra-realistic virtual experiences. Prior to this he worked for IBM Research as a research scientist and was a key contributor to IBM's Cell Broadband Engine, Smarter Planet, and IoT initiative. He has been a passionate volunteer in various leadership positions at IEEE and other professional communities. His outstanding service in IEEE standards activities at different levels (working groups, standards committees, and governance at higher levels) has been widely appreciated by standards developers, individual members, and corporate members. He has a Ph.D., an M.S., and a B.S. in Computer Science from Tsinghua University.

## IEEE Accomplishments and Activities (M'04-SM'10)

### IEEE Standards Association

- Board of Governors (BOG) (2018-2019)
- Standards Board (SASB) (2012-2017)
- SCC Coordinator (2015-2016)
- Industry Connections Committee (ICCom) (2012-2017, 2019)
- New Standards Committee (NesCom) (2012-2014)
- Standards Review Committee (RevCom) (2016-2017, 2019)
- Patent Committee (PatCom) (2017)

### IEEE Technical Activities Board

- Committee on Standards (2018-2021)
- Co-Chair, Digital Reality Initiative (2018)
- Chair, Digital Senses Initiative (2015-2017)
- Steering Committee, Brain Initiative (2015-2021)
- Standards Committee, Blockchain Initiative (2018-2021)

### IEEE Consumer Technology Society (formerly IEEE Consumer Electronics Society)

- Chair, Standards Committee (CTS/SC) (2015-2021)
- Secretary, Blockchain Standards Committee (CTS/BSC) (2018-2021)

- Chair, VR/AR Standards Committee (CTS/VRARSC) (2019-2021)
  - Associate Editor, IEEE Consumer Electronics Magazine (2011-2021)
  - Steering Committee, IEEE Transactions on Intelligent Vehicles (2015-2018)
- IEEE Photonics Society
- Vice Chair, Standards Committee (PHO/SC) (2019-2021)
- IEEE Engineering in Medicine and Biology Society:
- 11073 Standards Committee (EMB/11073) (2019-2021)
- IEEE Computer Society:
- Artificial Intelligence Standards Committee (C/AISC) (2021-)
- IEEE Intelligent Transportation Systems Society
- Co-Chair, Technical Committee on Software Infrastructure (2010-2017)
- IEEE Vehicular Technology Society
- Publicity Chair, Land Transportation Division (2010-2015)
- IEEE Transportation Electrification Community
- Secretary (2015-2016)
  - Standards Chair (2015-2016)
  - Steering Committee (2015-2019)

Dr. Yu Yuan has been engaged in extending IEEE and IEEE SA's influence:

- He led the IEEE Consumer Technology Society Standards Committee to grow the Society's standards activities from zero to a top level among IEEE Societies and Councils. The committee received the IEEE SA Standards Committee Award in 2019.
- He initiated IEEE's first Blockchain Standards Committee (CTS/BSC) and led its rapid growth. Two thirds of IEEE's blockchain standards projects are now under this committee, making it the world's largest community dedicated to standardization in blockchain technology and applications.
- He helped IEEE SA establish partnerships and collaborations with important organizations (ISO/TC 204, C-ITS, TRB, APEC, CIC, etc.) in strategic areas (transportation, communications, etc.).
- He helped IEEE SA recruit a significant number of members from big companies, SMBs, and individual standards developers.

## Statement

Being an active volunteer in IEEE and IEEE SA for 10+ years, I believe that IEEE SA has the opportunity for a significant growth and a much stronger global influence, and our members deserve better services and recognitions. IEEE SA could/should:

- Strive to make the efforts of IEEE standards developers better recognized internally within IEEE (e.g., fellow elevation) and externally throughout the world.
- Significantly improve membership benefits and satisfaction.
- Better address and satisfy the different needs/expectations from all kinds of stakeholders: big companies/institutions, small/medium-sized businesses, individual developers/consultants, etc. in various industries/markets.
- Find more and better ways for individuals to participate in entity-based standards projects while maintaining and developing the unique features of the entity program.
- More fairly encourage, support, and protect innovation in standards and standards development processes.
- More positively and constructively support standards developers and volunteers, Working Groups, Standards Committees, and TA Societies/Councils (less judging, more encouraging; less politics, more openness).

Please visit <http://yuyuan.info> for my detailed plan. With an open mind and an open heart, I look forward to listening to you and working closely with you to make IEEE SA a better home and a better platform for all of us. Thank you for your kind consideration.

## For IEEE Standards Association Board of Governors Member-at-Large, 2022-2023



### **KISHIK PARK**

(Nominated by IEEE Standards Association)

Vice-President & CSO

Destin Power Inc.

Naju-city, South Korea (Republic of Korea)

<http://www.destin.co.kr/>

Dr. Kishik Park was educated at Seoul National University in Korea, where he obtained honors degree of B.A. in 1982 and M.A. in 1984. He received a Ph.D. Degree in Telecommunications Policy in 1995, and a second Ph.D. in 2004 in Internet QoS.

He joined ETRI (Government ICT Institute) of Korea in 1984 and retired in 2020. He has almost 36 years research experience in various positions of ETRI including Vice-President for Info-Communications Technology, IT Strategy Research, Information & Telecommunications Technology, and Standardization Research Center Managing Director.

He served as a Member of IEEE SA BOG actively including its subcommittees from 2013-2020, and also ITU-T SG3 Chairman and Advisory Board Member of ASTAP/APT. Dr. Park has also carried out international roles such as 9th GSC Chairman, Secretary General of Asia IT Ministers' Conference.

He wrote many books, published more than 150 papers, and received 2 National Orders of Industrial Merit.

### **IEEE Accomplishments and Activities**

(M'12)

#### **IEEE Board / Committees**

- IEEE-SA Board of Governors / Members-At-Large, 2013-2020
- IEEE-SA Standards Education Committee / Member, 2013-2015,
- IEEE Educational Activities Board / Board of Directors, 2014
- IEEE-SA Standards Conduct Committee / Member, 2015-2016
- IEEE Technical Field Awards Council, IEEE Awards Board / Member, 2016-2017
- IEEE Charles-Proteus-Schteinmetz Award Committee / Member, 2015-2016
- Many Subcommittees Activities such as N&A Committee, Strategic

### **IEEE Societies Members**

- Standards Association
- Communications Society
- Computer Society

### **External Activities for IEEE**

- IEEE Standards Committee of ETRI (ETRI has actively participated in some of IEEE standards activities such as IEEE 802.11, IEEE 802.16, IEEE 802.21, IEEE 802.15, IEEE 802.3)
- Auditor of IEEE 802 Forum of Korea
- IEEE Representative to ASTAP (Asia-Pacific Telecommunity Standardization Program)

## **Statement**

I have volunteered time to make IEEE a better place many years, especially for the IEEE Standards Association. I understand the major issues we are facing in IEEE-SA during my 8-year term of SA BOG Member.

If you give me an opportunity to serve as an IEEE BOG member, I will do my best to promote IEEE-SA activities, especially in Asian regions as well as in Korea based on my experiences so far, such as Secretary General for Asian IT Ministers' Conference, an Advisory Board Member of ASTAP (APT Standardization Program), President / Korea National Committee for IT Application and Services Standards, and Member of National Standards Committee of Korea, in cooperation with many friendly experts in Asian region countries including China and Japan.

In particular, I would like to make more efforts to strengthen more active and closer collaboration between Asian countries and IEEE-SA in various global standardization issues.

## For IEEE Standards Association Board of Governors Member-at-Large, 2022-2023



### GLENN W. PARSONS

(Nominated by IEEE Standards Association)

Principal Standardization Advisor

Ericsson Canada, Inc.

Ottawa, Ontario, Canada

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

Glenn Parsons is a dedicated standards engineering professional with 30 years of ICT experience who enjoys working with emerging technology. He is a globally recognized standards leader who is proactive in developing technical product strategies, and is procient at aligning technical standards direction to match customer requirements. His proactive engagement in numerous standards organizations has provided him with tools, connections, experience and understanding of a wide range of standards activities.

Glenn is a principal standardization advisor for Ericsson Canada, where he coordinates standards strategy and policy, including network architecture for 5G radio transport networks. Over the past number of years, he has held several leadership positions in various standards organizations including IETF, IEEE, and ITU-T. In addition, he has presented to many industry conferences, published in technical journals, and received numerous performance awards.

He graduated in 1992 with a B.Eng. degree in electrical engineering from Memorial University of Newfoundland.

### IEEE Accomplishments and Activities

(S'90-M'95-SM'04)

#### Board Activities

I have been active in IEEE Board governance for a number of years:

- Internet Initiative Committee/Adhoc member: 2014-2017
- Industry Engagement Committee, member: 2018-2019; corresponding member: 2021-present
- Charles Proteus Steinmetz Award Committee member: 2015-2018

#### Region Activities

I have been an active participant in the Ottawa section for decades, with the following recent IEEE Canada and Region 7 leadership positions:

- Standards Association Liaison: 2021-present, Advisor since 2015
- External Relations Group, Vice-Chair: 2021-present



## Standards Association Activities

I have been an active participant in the IEEE-SA Board of Governors, Standards Board and its Committees:

- Board of Governors member: 2011-2012, 2015-2016
- Registration Advisory Committee chair: 2010-2012, past-chair 2013-present
- BOG International SDO Committee chair: 2013-2020
- Corporate Advisory Group member: 2014-2020
- Standards Board member: 2005-2009, 2014-2015, committees since 2004
- Standards Education Committee: 2015-present
- Nominations Committee: 2021-present

I have spent 20 years as an active participant in IEEE 802. As editor of various IEEE 802 standards I received several awards for outstanding contribution. In 2014, my leadership was recognized when I was elected the chair of 802.1. I have since driven promotion of Time Sensitive Networking (TSN) in the industry and the WG was the recipient of the 2020 IEEE SA award for Emerging Technology.

## Society Activities

I have been active in the Communications Society for decades, with recent leadership roles in publications:

- Communications Magazine, Technical Editor: 2008-2018
- Communications Standards Magazine, Editor-in-Chief: 2014-2019; Advisory Board: 2020-present

I have been a participant in the Consumer Technology Society for a few years, with a new leadership role:

- Chair, Society Committee on Standards: 2021-present

## Statement

Standards developing practitioners have rapidly pivoted to electronic meetings and have maintained the same level of productivity through their extra dedication and commitment. That additional workload is not sustainable, and we must ensure that the governance of a "new normal" supports efficient working methods that drive collaboration and consensus.

We must focus on empowering our strong technical base and driving innovation to support how we conduct meetings and conferences. While there are motivations to retain electronic meetings, we must find a balance with efficiency and volunteer workload. We must continue to ensure that IEEE-SA is recognized as a favorable venue to create technically excellent standards that are globally relevant.

I bring to the board my broad experience in these areas, as well as first-hand experience in the sensibilities and sensitivities of many international standards organizations and stakeholders, which can drive an ongoing improvement of IEEE-SA.

## For IEEE Standards Association Board of Governors Member-at-Large, 2022-2023



### SHA WEI

(Nominated by IEEE Standards Association)

Vice Director/Senior Engineer  
China Electronics Standardization Institute  
Beijing, China  
[www.linkedin.com/in/sha-wei](http://www.linkedin.com/in/sha-wei)

Dr. Sha WEI is dedicated in standardization and strategy analysis of Smart Manufacturing, Digital Twin and Artificial Intelligence. In **IEEE SA**, she serves as the vice chair (M'21) and member (M'19-M'20) of NesCom and member of SASB (M'19-M'21) and CAG (M'18).

In **Smart Manufacturing**, she is the Chair of IEEE/C/Smart Manufacturing Standard Committee, P2672 Mass Customization and P2806 Digital Representation, and member of IEC/SyC Smart Manufacturing and ISO/IEC JWG21 Smart manufacturing reference model, respectively. She is the Chief Organizer of National Intelligent Manufacturing Standardization Administration Group and Executive Secretary of China Intelligent Manufacturing System Integration Consortium. She is the Technology Lead of 5 National-level and Ministry-level Projects on smart manufacturing.

In **Digital Twin**, she is the convenor of ISO/IEC JTC1/SC41/WG6 Digital Twin and former AG11 Digital Twin.

In **Artificial Intelligence**, she is the Chair of IEEE P2807 Knowledge Graph working group and committee members of ISO/IEC JTC1 SC42 Artificial Intelligence.

### IEEE Accomplishments and Activities

(M'19-M'20)

- Member, IEEE SASB
  - Actively promoted the IEEE SA works in Region 10.
  - Encouraged and coordinated the development of IEEE standards.
- Member, IEEE SA NesCom
  - Reviewed 250 and 290 PARs in 2019 and 2020, respectively.
- Chair, IEEE/C/Smart Manufacturing Standards Committee
  - Leading 8 working groups and 9 standard projects in the standards committee, including mass customization, online detection, digital representation, smart factory, smart logistics, standard-oriented knowledge graphs, etc.
  - Leading 135 committee members from China, US, Germany, Japan,

India and Singapore.

- Sponsoring of Industry Connections (IC)– Roadmap for the development and implementation of standard-oriented knowledge graphs
- Chair, IEEE P 2672 Mass Customization Working Group
  - Organized 19 meetings to develop the Guide for General Requirements of Mass Customization.
- Chair, IEEE P 2806 Digital Representation Working Group,
  - Organized 8 meetings to define the system architecture of digital representation for physical objects in factory environments.
- Chair, IEEE P 2807 Knowledge Graph Working Group.
  - Leading 7 sub-working groups, including finance, power, scientific and standards. At present, more than 60 corporate members participate the working group.

### Statement

Standardization is an art of making consensus. My education and working experiences have filled me with professional standardization strategies on achieving such goals with different stakeholders. Firstly, I come from the country with the largest number of corporate members of IEEE SA, giving me the natural sense to understand them and strengthen the impact of IEEE SA. Secondly, my education background in the birthplace of IEEE SA helps me cooperate with the largest number of individual members of IEEE SA. Together, I could build bridges between the two forces. Thirdly, I have also learnt how to face the challenges and enhance sustainability from six-year international standardization experiences, and multi-lateral collaborations with European countries. Fourthly, my leadership in AI, Digital Twins and Smart Manufacturing helps me embrace new technologies and opportunities for standardization. I am willing to serve in BoG with these experiences and grow with IEEE SA in the future.

## For IEEE Standards Association Board of Governors Member-at-Large, 2022-2023



### **MEHMET ULEMA**

(Nominated by IEEE Standards Association)

Professor of Computer Information Systems  
Manhattan College  
Riverdale, New York, USA

In addition to his academic experience, Mehmet held management and technical positions in AT&T Bell Labs, Bellcore and Daewoo involved in telecom projects. Mehmet has been actively involved in standardization in ITU, TIA, ATIS, and IEEE. Currently, he is a member of the IEEE-SA Standard Board and the coordinator for the SCCs. He chairs a Standard Committee on Network Softwarization and Virtualization. Mehmet served as the Director of Standards Development in ComSoc, and played a major role in involving ComSoc in IEEE standards. He has been on the editorial board of several major journals. Previously, he held many leadership positions in ComSoc. He also served in leadership positions in major IEEE conferences including GLOBECOM and ICC. Mehmet has received several awards including IEEE Third Millennium Award and ComSoc Harold Sobol Award for exemplary service to conferences. Mehmet received his PhD from Polytechnic Institute, Brooklyn and BS/MS from Istanbul Technical University.

### **IEEE Accomplishments and Activities**

(S'77-M'80-SM'93-LS'16)

#### **Standards:**

- IEEE-SA Standards Board (2016-2018, 2020)
- New Standards Committee (NesCom) (2018-2019)
- Audit Committee (AudCom) (2017-2020)
- Industry Connections Committee (ICCom) (2019-2020)
- Standards Education Committee (SEC) (2017)
- Review Committee (RevCom) (2017-2019)
- Coordinator, Standards Coordinating Committees (SCC)
- Director, ComSoc Standards Development Board (2014-2018)
- Chair, COM/NetSoft Standard Committee (2018-2020)
- Chair, P1903, Next Generation Service Overlay Networks (2012-2020)
- SA representative to IEEE Future Directions Committee (2019-2020)
- Co-Chair, Standards Working Group, IEEE Future Network Initiative (2018-2020)
- SA representative to Standardization Coordination Group (2015, 2016)

#### **Communications Society (ComSoc) Activities:**

- Director, Standards Development (2014-2017)
- Director, Membership Development Programs (2012-2013)
- Chair, Distinguished Lecturer Selection Committee (2010-2012)
- Chair, Humanitarian Communications Technology Committee (2009-2012)

- Co-Founder and Chair, Technical Committee on Information Infrastructure (2003-2005)
- Chair, Radio Communications Committee (1999-2001)
- Vice-chair, Technical Activities Council (2010-2014)
- Vice-chair, GLOBECOM and ICC Conferences Technical Committee (2008-2010)

#### Conferences/Workshops:

- **General Co-Chair:** IEEE Network Operations and Management Symposium (NOMS) (2008, 2016); IEEE Black Sea Conference on Communications and Networking (2013, 2014, 2017, 2020); IEEE Symposium on Communications and Computers (2012); IEEE Workshop on Rural Communications (2012)
- **Technical Program Chair:** IEEE Global Communications Conference (GLOBECOM) 2009; IEEE Global Information Infrastructure Symposium (GIIS) 2009; IEEE International Communications Conference (ICC) 2006; IEEE Consumer Networking and Communications Conference (CCNC) 2004; IEEE NOMS 2002; IEEE Symposium on Computers and Communications (ISCC) 2000
- Executive Chair, Industry Forums and Exhibits, IEEE GLOBECOM 2019
- Co-Chair, Tutorials – IEEE NOMS 2014
- Co-Chair, Workshops – IEEE NOMS 2012
- Co-Chair, Keynotes and Distinguished Expert Panel – IEEE NOMS 2004, IEEE/IFIP IM 2015
- Finance Chair, IEEE NOMS 1998 and IEEE NOMS 2000

#### Editorial Board:

- Associate Editor, *IEEE Journal on Internet of Things* (2014-present)
- Associate Editor, *IEEE Transactions on Network and Services Management* (2004-2009)
- Chair of the Steering Committee responsible for the management of this journal (2009-present)
- Associate Editor, *IEEE Communications Magazine* (1994-2006)
- Co-editor, IEEE Press-Wiley Book series on Network and Service Management (2018-2020)

### Statement

While IEEE SA has a world-class platform for creating standards, industry requires other kinds of consensus building tools in today's fast-paced competitive environment. These include activities like open-source software, industry alliance incubation, and post-standard conformance and compliance. In addition, it is critically important to reach out to vertical industries directly in order to build on the strengths in SA's corporate/entity membership program. If elected, I will work hard to support the SA to expand its activities in the areas I mentioned above. With my academic and industrial experience as well as my experience in standardization, I am confident that I will contribute significantly to support IEEE SA in fulfilling its mission.

For IEEE Technical Activities Vice President-Elect, 2022  
IEEE Technical Activities Vice President, 2023



**MACIEJ J. OGORZALEK**

(Nominated by IEEE Technical Activities)

Professor and Department Head  
Department of Information Technologies  
Institute of Applied Computer Science  
Faculty of Physics, Astronomy and Applied Computer  
Science  
Jagiellonian University  
Krakow, Poland

<http://www.doit.fais.uj.edu.pl/maciej-ogorzalek>



SCAN ME

Meet Maciej by watching a brief video on the IEEE Annual Election website at [www.ieee.org/elections](http://www.ieee.org/elections) or scan the QR code.

MACIEJ J. OGORZALEK is Professor and Head of the Department of Information Technologies, Jagiellonian University Krakow, Poland.

He held visiting positions at UC Berkeley, National Microelectronics Center, Sevilla, Spain and The Goethe University Frankfurt/Germany. 2006-2009 he held the Chair of Bio-signals and Systems, Hong Kong Polytechnic University under the Distinguished Scholars Scheme. In 2018 guest professor at Waseda University. In spring 2019 distinguished guest professor at Kyoto University, Japan followed by visiting professorship at the Integrated Systems Laboratory, Swiss Federal Institute of Technology, Lausanne.

Author of over 400 papers published in journals and conference proceedings, and the book *Chaos and Complexity in Nonlinear Electronic Circuits* (World Scientific).

He has served as Associate Editor for several international scientific journals. Plenary or Keynote speaker at over 60 major international conferences and workshops. In 2012 elected Member of Academia Europaea and in 2016 Corresponding Member of the Polish Academy of Sciences.

**IEEE Accomplishments and Activities**

(M'88-SM'93-F'97)

COMMITTEES/BOARDS:

- 2021 Member, New Initiatives Committee
- 2021 Member, IEEE Fellow Committee
- 2020-2021 Member, IEEE TAB TC 2.0 Ad-Hoc
- 2020-2021 Member, EAB Nominations and Appointments (N&A)
- 2018-2020 Member, Education Activities Board
- 2018-2020 Member, TAB Management Committee
- 2019 Chair TAB Ad-Hoc on Mission and Vision
- 2019-2020 Member, TAB N&A
- 2018-2020 Member, Awards Board N&A
- 2018-2019 Chairman, TAB Ad-Hoc on Global Society Interaction
- 2016-2017 Division 1 Director/Delegate and Member, IEEE Board of Directors
- 2011-2014 Member, IEEE Fellow Committee
- 2013-2015 Vice-chair, IEEE Recognitions Council

- 2012-2013 Chairman, Prize Paper/Scholarship Award Committee

#### SECTIONS/CHAPTERS:

- Poland Section Chair, 2010-2013

#### SOCIETY:

- Recipient of CASS Meritorious Service Award, 2012
- CASS President, 2008
- CASS Administrative VP 2005-2006

#### CONFERENCES:

- General Co-chair IEEE Congress on Evolutionary Computation (CEC21)
- Special Session Chair VLSI-SoC 2021
- Co-organizer CAS FEST 2012, Seoul, Korea
- Member of committees of many IEEE sponsored conferences

#### OTHERS:

- Editorial Board *Proceedings of the IEEE*, 2004-2009
- Editor-in-Chief *Circuits and Systems Magazine*, 2004-2007
- CASS Distinguished Lecturer, 2004-2005
- IEEE-CAS Golden Jubilee Award and the CASS Guillemin-Cauer Award, 2002

#### MAJOR ACCOMPLISHMENTS:

1. As President of CASS I introduced Young Professionals to the Society BoG. Created The Latin American Symposium on Circuits and Systems, successfully running for 15 years.
2. As EiC for the *Circuits and Systems Magazine* I brought it to full development reaching IF= 3.54.
3. As Chairman of the Poland Section I introduced the WIE affinity group, supported SYP congress in our section. I supported first IEEE Milestone in my country (ENIGMA).
4. I chaired the TAB Ad-Hoc Committee on Global Society Interaction. First GSI event proved to be an exceptional opportunity for building collaboration with sister organizations.
5. As TMC member I chaired the Ad-Hoc committee which formulated the new Technical Activities Mission and Vision Statement adopted by TAB.

### Statement

1. The pandemic is impacting the future of IEEE and Technical Activities. We have a year-long experience operating in a remote way with significant changes to our meetings, events, and conferences. Remote participation gives special opportunities for enlarging the audiences, encouraging involvement of under-represented communities, closing the gender gap and also changing the perspective on the importance of engineering and STEM subjects. We have to enhance this kind of experience in view of climate change.
2. I will lead TAB and its units to attack emerging problems: water, air, earth conditions require disruptive solutions. Environmental changes and resource shortages will have disturbing effects on our lives. New ways of operation, new technologies, products and actions are on the top of my agenda.
3. TAB has to provide excellent service on every scale - from local chapters and groups of interest to global perspective. **My Motto: Act locally - think globally!**
4. Chapter support is crucial. Significant improvements of horizontal and vertical communication between and within OUs will help to solve local problems.

I have in-depth experience in TAB operations. I will strive to bring new solutions for the above-mentioned challenges and implement them in a collegial spirit.

## For IEEE Technical Activities Vice President-Elect, 2022 IEEE Technical Activities Vice President, 2023



### JOHN P. VERBONCOEUR

(Nominated by IEEE Technical Activities)

Associate Dean for Research; and  
Professor of Electrical and Computer Engineering  
Professor of Computational Mathematics, Science, and  
Engineering

Associate Dean for Research and Graduate Studies  
Michigan State University  
East Lansing, Michigan, USA

[johnverb.com](http://johnverb.com)



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Meet John by watching a brief video on the IEEE Annual Election website at [www.ieee.org/elections](http://www.ieee.org/elections) or scan the QR code.

John Verboncoeur received a Ph.D. in Nuclear Engineering (UCB-NE) from the University of California-Berkeley (UCB) in 1992. Appointed to the UCB-NE faculty (1996-2010), founded and chaired Computational Engineering Science (2001-2010), Professor of ECE Michigan State University (2011+), Associate Dean for Research (2014+), co-founder and Professor of Computational Mathematics, Science and Engineering (2015+). His research interests are in theoretical and computational plasma physics, with >400 journal articles and conference papers and >4900 citations. He is Associate Editor of *Physics of Plasmas*, and serves on the DOE Fusion Energy Science Advisory Committee and on the Board of Directors of the American Center for Mobility national proving ground. He has led a number of successful startups, including computerized fitness equipment, a digital health system, and distributed publication software, with a role in the USPS mail forwarding system and the consumer credit report for a big-three credit bureau.

### IEEE Accomplishments and Activities

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

#### IEEE/TAB:

- TABin2030 AdHoc Chair, 2016
- TAB Management Committee, 2017-2019
- TAB SmartAg AdHoc Chair, 2017-2019
- TAB/PSPB Products and Services Committee, 2019+
- Division IV Director, 2019-2020
- Vice-Chair and Acting VP PSPB, 2020
- TAB Technical Community 2.0 AdHoc, 2020-2021
- IEEE Industry Engagement Committee, 2021
- IEEE AdHoc on Election Practices and Oversight, 2021

#### 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



- AdCom, 2010+
- Awards Chair, 2019-2020
- FinCom Vice Chair, 2021+
- Co-founded Asia Pacific Conference on Plasma and Terahertz Science, 2018
- Distinguished Lecturer, 2018+
- Fellow (2013) Citation: *For contributions to computational plasma physics and plasma device applications*

#### IEEE Recent Accomplishments:

- As Chair of TABin2030 AdHoc (2016), successfully led the analysis of, and organized the opposition to, the proposed IEEE Constitutional Amendment.
- As Chair of the TAB SmartAg AdHoc (2017), led over 20 societies in the application of technology to the food supply chain, created conferences and special sessions.
- As VP and President of NPSS, repaired rift with EMBS over co-sponsored journal (*Transactions on Medical Imaging*), worked with EMBS to create new journal (*Transactions on Radiation and Plasma Medical Science*).
- As President of NPSS, initiative to improve NPSS journal impact factors using email blasts, editor-select papers, and elimination of page charges resulted in a 50% increase in impact factor over three years.
- As IEEE InfoTrans AdHoc Chair (2019) led update to meeting and referendum election transparency to ensure equal voice for all members.
- As a member of IEEE New Member Engagement AdHoc, contributed to the development of the IEEE App.
- As Chair of the TAB Meeting and Agenda AdHoc (2019), developed policy to improve efficacy of the TAB agenda.
- Chaired the Powered by IEEE initiative (2019) to create a new product line to support and engage entrepreneurs, operationalized by the Entrepreneurship Committee.

## Statement

Responsible for ~80% of IEEE revenues, TAB through its 46 Societies and Councils delivers value to the global technical community through top quality publications, conferences, and other technical products and services. My leadership philosophy is building consensus among inclusive stakeholders for win-win outcomes. Key priorities include:

1. **New Audiences:** engage >4M members of our diverse technical community, including engineers, computer scientists, technicians, Young Professionals, practitioners and entrepreneurs. Increase diversity in gender, ethnicity, and geographic reach.
2. **New and Enhanced Events, Products, Services:** provide best-in-class value through Innovation such as South by Southwest, DataPort, Powered by IEEE, Roadmaps, and personalized experiences in our existing products and services, in addition to best in class events. Enhance existing tools like Xplore with new functionality from personalization to data connectivity using AI to leverage the IEEE portfolio.
3. **Emerging, cross-cutting, and geographically relevant activities:** delivered via improved organizational units, streamlining the lifecycle process for new entities to enable volunteers to focus on technical excellence rather than bureaucracy.
4. **Operational Excellence:** Efficiency and transparency lead to productive volunteers and staff collaborating on innovation.

I look forward to your feedback and support.

For IEEE-USA President-Elect, 2022  
IEEE-USA President, 2023



**EDUARDO "ED" F. PALACIO**

(Nominated by IEEE-USA)

President  
P&L Technical Management Solutions  
Stony Brook, New York, USA  
[www.PLTMSolutions.com](http://www.PLTMSolutions.com)



Meet Ed by watching a brief video on the IEEE Annual Election website at [www.ieee.org/elections](http://www.ieee.org/elections) or scan the QR code.

Ed Palacio has 40 years of experience in directing development and production of complex military electronic systems. He has held Profit and Loss 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. He currently serves in various Executive Boards for the IEEE, Industry and Academia. He 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. He serves on the IEEE Board of Directors as the Region 1 Director for 2020-2021.

**IEEE Accomplishments and Activities**

(S'73-M'79-S'81-M'82-SM'90-LS'19)

**Offices and Committees:**

**IEEE:**

- IEEE Board of Directors – Director '20-'21
- IEEE-USA Board of Directors – Director '20-'21
- Center for Leadership Excellence '15
- Nominations and Appointments Committee '08-'10
- Tellers Committee: Chair '01 and '02, Member '96-'00

**Member and Geographic Activities Board/Regional Activities Board:**

- MGA Board of Directors – Director '20-'21
- Chair: Member Development/Member Engagement and Life Cycle '16/'17
- Chair: Strategic Direction and Environmental Assessment '08/'09
- Member Benefits and Portfolio Advisory '14/'15
- Chair: RAB/TAB Sections/Chapters Support '06/'07

- Chair: Student Activities '04/'05

**Region:**

- R1 Director '20-'21
- R1 Student Activities Coordinator '00-'03
- R1 Council Chair '95
- METSAC: Chair '94, Treasurer '95

**Section:**

- Long Island Section: Chair '93-'95, Vice-Chair '91-'93

**IEEE Volunteer Accomplishments:**

2020 was a significant challenge for all Regions, as Regional Director I lead a team that quickly adapted to the virtual environment and delivered significant member benefits in the form of training sessions, talks and conferences. We cooperated with Industry and Academia in these programs, and reached a wide audience to include other Regions. As an MGA Director I have led discussions associated with the IEEE Regional restructure. As IEEE-USA Director I have pushed for establishing a sustainable model to allow IEEE-USA to succeed and grow.

As MELCC Chair, 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 2008/09 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 2004/05 Student Activities committee established the IEEEExtreme 24-hour Programming competition, now an extremely successful Institute wide event. Lastly, during my term on the ELECTRO BoD, we brought to a close a show that was neither member focused nor financially viable.

**Statement**

The IEEE-USA President will be facing significant challenges in the coming years. Membership trends continue to show a steady decline in US full paying members, and, since this is our primary source of funding, the trend does not bode well for IEEE-USA. As a priority, we have to find a way to deal with this; be it focusing on key core competencies and reducing non-core activities, making IEEE-USA essential to the member because we deliver true value, promoting what we do more broadly, or most likely, all of the above. In the end we must earn our right to exist by providing clear and tangible benefit to those we represent. I see this job as one that leads that discussion, forces analysis and focus, and gets the IEEE-USA Board to move in the right direction. I also see the IEEE-USA President as a Steward of the Institute, the job being to make sure that you take care of the position and leave it better than you found it for those that come after you. Lastly, I believe that my broad experience within IEEE's multiple Senior Boards and in industry give me the perspective to successfully address this challenge.

## For IEEE-USA President-Elect, 2022 IEEE-USA President, 2023



**KEITH A. MOORE, PE**  
(Nominated by IEEE-USA)

Senior Engineer

US Army Information Systems Engineering Command  
Fort Huachuca, Arizona, USA

<https://keithmoorecandidateforieeesusapresident.wordpress.com/keith-moore-candidate-for-ieee-usa-president/>



SCAN ME

Meet Keith by watching a brief video on the IEEE Annual Election website at [www.ieee.org/elections](http://www.ieee.org/elections) or scan the QR code.

I currently work for the US Government. My career has taken me around the world to establish and maintain communications systems. I have served in volunteer and other organizations to work for the good of all stakeholders. These experiences have involved organizations such as federal and state governments, Big Brothers/Big Sisters, churches, Civil Air Patrol, Scouts, Cyber Patriot, and others. I have served as a big brother, engineer, missionary, science fair judge, Future City mentor, coach, and firefighter/EMT. I hold a BSECE and a MBA. I maintain professional engineer status as granted by the Arizona State Board of Technical Registration, and serve as an adjunct engineering professor at Cochise College.

### IEEE Accomplishments and Activities (M'02-SM'06)

#### IEEE ACTIVITIES:

**IEEE COMMITTEES/BOARDS:** 2019-2020 IEEE Board of Directors; 2019-2020 IEEE-USA Board; 2019-2020 IEEE Member Geographic Activities (MGA) Board; 2012-2013 IEEE-USA Professional Activities Committees for Engineers (PACE) Board Region 6 Representative; 2010 Humanitarian Technology Challenge (HTC).

**REGIONS:** 2019-2020 Region 6 Director; 2010-2011 Region 6 Southwest Area Chair; 2012-2013 Region 6 PACE Chair.

**SECTIONS/CHAPTERS/AFFINITY GROUPS:** 2003, 2008 Fort Huachuca Section Chair; 2002 Fort Huachuca Section Vice Chair; 2001 Fort Huachuca Section Treasurer; 2000 Fort Huachuca Section Secretary; Fort Huachuca WIE Founding Chair; 2012-2014 Arizona Reliability Society Chapter Chair.

**IEEE-HKN/HKN:** Professional Member.

**CONFERENCES:** 2013 Chair, Global Humanitarian Technology Conference (GHTC); 2012 Vice Chair, Global Humanitarian Technology Conference (GHTC); 2011 Technical Program Chair, Global Humanitarian Technology Conference (GHTC).

#### **MAJOR ACCOMPLISHMENTS:**

**CONFERENCES:** Established the IEEE Global Humanitarian Technology Conference's (GHTC) technical program as the first Technical Program Chair and continued to lead the conference as Vice Chair and Chair.

**LOCAL SECTION:** As local Section Chair, the Chair of a Region sponsored conference (GHTC), the Area Chair, the Region PACE Chair, Region Director, and member of the Board of Directors I have had close interaction, planning, and work with the local Sections, Regions and staff to complete successful tasks and initiatives for IEEE-USA. As IEEE-USA President, I will continue to work with the local, region, national, and international staff and members to advance IEEE and IEEE-USA goals in the U.S. and throughout the world to the betterment of IEEE, its members, and humanity.

**PROFESSIONAL ACTIVITIES:** Introduced expedited PACE Project approvals and tracking for more efficient and expedient project funding.

- Founding Chair of the IEEE Arizona Reliability Society Chapter.
- Founding Chair of the Fort Huachuca Women in Engineering (WIE) Affinity Group.
- Managed and judged the Global Humanitarian Student competition.

### **Statement**

We the members...

In order to form a more perfect Union, establish Justice and ensure domestic Tranquility, provide for the common defense of the profession, promote the general Welfare, and secure the Blessings of Liberty to ourselves and our Posterity, did ordain and establish IEEE-USA in 1973 as a unit within IEEE.

These words are a reflection of the US Constitution. I do not mean to detract in any way from the sentiment they are drawn from. Of a truth, I become misty eyed when I read or hear those words. We hold a sacred duty to serve humanity along with all of our IEEE sisters and brothers across the world. We can work toward those ends through several IEEE-USA programs. These programs serve and benefit the members, the profession, and the public in areas of economic, ethical, legislative, social, and technology policy concern. In order to forge the path for the future, we must employ our knowledge on professional issues and public policy initiatives.

Let's work together to provide for future leader development; prepare members to engage in advancement of technology; encourage and enable the next generation; and support engineers and technologists to create and build the future!

## For IEEE Women in Engineering Committee Chair-Elect, 2022 IEEE Women in Engineering Committee Chair, 2023-2024



### CINZIA DA VIÀ

(Nominated by IEEE Women in Engineering)

Professor of Physics  
The University of Manchester  
Department of Physics and Astronomy  
Manchester, United Kingdom, and  
Visiting Research Professor  
Stony Brook University  
Stony Brook, New York, USA

<https://publons.com/researcher/4538234/cinzia-da-via>

Cinzia Da Vià received her PhD in Physics at the University of Glasgow, Scotland, working at the European Center for Particle Physics (CERN) on radiation detectors and their spinoff applications to medicine, while being awarded a CERN fellowship. She formed and led an international collaboration to develop a novel detector design (3D) with unprecedented radiation tolerance and speed, which was successfully installed in the ATLAS experiment at the Large Hadron Collider (LHC) in 2012. She is the Independent Committee co-chair of the EU ATTRACT Initiative which support innovative radiation imaging technology research projects in Europe and is the Chief Editor of the *Frontiers in Physics, Radiation Detectors and Imaging Journal*. She has co-authored more than 500 papers and one book on 3D-radiation detectors. She is a regular Speaker, Chair, and International Scientific Committee Member of several conferences and instrumentation schools. She regularly supervises PhD and Master students and mentors young researchers.

### IEEE Accomplishments and Activities

(A'04-M'05-SM'20)

- IEEE Senior Member
- IEEE NPSS Marie Curie Awards Board, 2019-2021
- IEEE Nuclear Science Plasma Society Distinguished-Lecturer, 2016-present
- IEEE NPSS Nuclear Science Symposium Chair, Manchester, UK, 2019
- International Scientific Committee Member IEEE ANIMMA Conference, 2017-present
- Member of the IEEE NPSS Transnational Committee representing the UK, 2013-present
- Reviewer of *IEEE Transactions on Nuclear Science*, 2000-present
- IEEE Women in Engineering Committee Member and NPSS Liaison, 2017-present

- Member of WIE Conference and Visibility sub-committees (2017-18)
- IEEE NPSS RITC Committee Member, 2015-2017 and 2021
- IEEE WIE coordinator at NPSS Conferences, 2017-present
- Chair of the 2022 WIE 25th Anniversary Celebration Ad Hoc Sub-Committee
- Lecturer and WIE coordinator at IEEE NPSS Instrumentation Schools in Developing Countries (South Africa, Indonesia, Senegal, Vietnam), 2018-present
- Recipient of IEEE NPSS Initiative Funds to sponsor WIE events at Instrumentation Schools in Developing Countries (South Africa, Indonesia, Senegal, Vietnam), 2020-present
- Sponsor of several women for IEEE Awards, 2016-present
- While chairing the NPSS Flagship Conference Nuclear Science Symposium, selected 44% women on the main conference technical committee positions
- Promoted IEEE WIE to students and both young and established professional women in developing countries

### Statement

The first time I attended an in-person IEEE WIE meeting, I felt the power of discussing common interests with women from many professional fields and different cultural and geographical backgrounds from around the world. We were all talking the same language and we understood each other. Only a global organization like IEEE can offer such opportunities. Equality for women and minorities is an issue requiring attention more than ever after the pandemic that has exposed inequalities in the global population at many levels. As the IEEE WIE Chair-Elect, I would promote strengthening a sense of community among women working in STEM fields globally. I would also use my leadership experience to gather women in all fields to discuss new opportunities in science and innovation and on promoting effective ways to practice equal opportunities in education and jobs, equality in salary, career progression, and open recognition of excellence and role models.

# For IEEE Women in Engineering Committee Chair-Elect, 2022 IEEE Women in Engineering Committee Chair, 2023-2024



## **CELIA SHAHNAZ**

(Nominated by Petition)

Professor

Department of Electrical and Electronic Engineering  
Bangladesh University of Engineering and Technology (BUET)  
Dhaka, Bangladesh  
<http://www.celiashahnaz.com>

Celia Shahnaz, SMIEEE, Fellow IEB, received Ph.D. degree from Concordia University, Canada and is a Professor, Department of EEE, BUET, Bangladesh since 2015.

She has published 150+ international journal/conference papers, a recipient of the Canadian Commonwealth Scholarship/Fellowship and Bangladesh Academy of Science Gold Medal for her contributions in Science and Technology. Her papers have received best paper awards in IEEE BECITHCON 2019, Biomedical Engineering tracks TENCON 2017, IEEE WIECON-ECE 2016, and Humanitarian Challenge track R10 HTC 2017.

She was the mentor of 1st/2nd prize winning projects in IEEE IAS CMD Contests (Robotics, Humanitarian) in 2017-2019, USA, the supervisor of 4th/5th rank winning teams in SPCUP and VPCUP competitions, ICASSP 2020 (Spain)/2015 (Australia)/ICIP 2020 (UAE). She has 20+ years of experience (20 years as an IEEE volunteer) of leading impactful Technical, Professional, Educational, Industrial, Women Empowerment, and Humanitarian Technology Projects at national/international levels.

## **IEEE Accomplishments and Activities**

(S'02-GSM'06-M'10-SM'16)

### **IEEE Activities:**

#### Committees/Boards:

- 2021 Member, IEEE History Committee (HC)
- 2021 Liaison, IEEE HC & WIE
- 2021 Chair, WIE History Subcommittee
- 2021 Member, IEEE EAB FRC
- 2020 Member, New Initiatives Committee
- 2020 Chair, Women in SIGHT Working Group
- 2020-2021 Member, WIE SM Elevation Drive
- 2017, 2019 SIGHT Communications Chair
- 2019-2020 Member, WIE WePOWER Subcommittee
- 2017-2018 Chair, WIE Workshops Subcommittee

#### Region:

- 2016 R10 WIE Coordinator
- 2014-2018 Member, R10 Committees (50 years, WIE, HTA, Education)

#### Section, Student Branch (SB), SB Chapters:

- 2018-6/2021 Chair, Bangladesh Section (BDS)
- 2017 Vice-Chair (Activity), BDS
- 2010-2015 Chair, WIE BDS AG and BDS MD (2012-2013)
- 2014-2021 Coordinator, SIGHT FLASH
- 2016-2021 Advisor, WIE BDS, BUET SB WIE AGs, BUET SB Chapters: IAS, RAS



(2018-2021), SPS (2019-2021)

#### Societies/Chapters:

- 2021 Chair, SPS Women in Signal Processing
- 2021 Liaison, SPS and WIE
- 2020-2021 Member, PELS TC5 Webinar and award Subcommittees
- 2017-2021, PES WiP R10 Representative
- 2017-2020 Chair, SPS, IAS (2018-2021), RAS (2021), SSIT (2021), EMBS (2020-2021) BDS
- 2018-2020 Vice-Chair, RAS, SSIT, SPS (2021), EMBDS (2019) BDS

#### Conferences:

- General/TPC Chair/Co-Chair: TENSYP 2020, WIECON-ECE 2015-2020, R10-HTC 2017

#### Awards:

- 2019 R10 Humanitarian Activities Outstanding Volunteer Award
- 2016 MGA Leadership Award
- 2015 WIE Inspiring Member Award
- 2013 R10 WIE Professional Volunteer Award

#### Recent Accomplishments:

- Founded IEEE WIECON-ECE 2015 (Bangladesh), co-organized five more versions (India and Thailand).
- Coordinated 25 WIE Workshops and Panels in R3, R5, R7-R10.
- Speaker, Panelist (1st PES WiP Conference); WiP brief Session co-proposer and Speaker (Sections Congress 2017), General Chair (1st 2020 WiP Congress and Summit in R10).
- Launched Women in SIGHT Summit, Humans of SIGHT, SIGHT Twitter Chat Session.
- Encouraged formation of 3 Section WIE AGs (China, Thailand), 58 SB WIE AGs (35.10% increase in WIE membership growth in R10).
- Led BDS winning 2018 MGA Outstanding Large Section Award, IEEE WIE International Leadership Summit 2018 (General Chair)
- Founded/co-founded four Society Chapters.

### Statement

My vision is to enhance collaboration among IEEE WIE, WIE AGs, and other OUs, such as councils, sections/subsections, student branches, AGs (YP, LM) and SIGHT to enhance member engagement, develop technical skills, promote research and innovation, ensure recognition and representations of WIE members in leadership positions across all OUs. If elected, my priorities will be:

- **Elevating Program Values:** Popularizing/introducing/emphasizing STAR, Distinguished Lecturer, Fellow Elevation Drives to ensure their qualifications for leadership.
- **Enhancing Recognition:** Launching WIE DAY, Humans of WIE, more award nominations and visibility of WIE accomplishments in TA Spotlight, *The Institute*, *IEEE WIE Magazine*, etc.
- **Encouraging Industry-Academia Conclave:** Promoting Corporate Membership development and retention for solving real life problems.
- **Incubating Humanitarian Projects-Product Design:** Boosting WIE Social Entrepreneurship.
- **Launching Mentor-Mentee Technical Programs:** Designing Mentor-Mentee activities involving multiple OUs for WIE membership growth and retention.
- **Building Capacity:** For organization of more quality society Flagship conferences involving 10 Regions.

More information: <http://www.celiashahnaz.com>.

## For IEEE Women in Engineering Committee Chair-Elect, 2022 IEEE Women in Engineering Committee Chair, 2023-2024



### **SIMAY AKAR**

(Nominated by IEEE Women in Engineering)

CCO & Co-Founder

INNOSES

Istanbul, Turkey

<https://www.simayakar.com/wie>

Simay Akar is an entrepreneur with corporate industrial background and experience in the energy industry. She specialized in photovoltaic manufacturing, battery storage for electric vehicles and other renewable energy technologies and the clean energy markets development.

Akar is currently the Chief Commercial Officer & Co-Founder at Innoses.

Additional past roles include Sales & Marketing Director of EkoRE – Eko Renewable Energy and Marketing & Business Development Director of GoodWe Turkey, Head of Overseas Marketing at Talesun Solar.

Akar has worked in China and Turkey and mostly focused on international commercial activities and has been employed by CSUN Eurasia, Schneider Electric, Arcelik (BEKO), and Lucida Solar.

In addition to her professional acclimates, she is an IEEE Senior Member, acknowledged volunteer since 2007 and recipient of several prestigious awards. Simay is a graduate of Middle East Technical University, Ankara, Turkey and participated in the Energy Innovation and Emerging Technologies Program at Stanford University.

### **IEEE Accomplishments and Activities**

(S'08-M'13-SM'19)

Simay is volunteering for WIE since 2007. She served in a number of roles on various levels: from Student Branch Chair to Student Representative, Section WIE AG Founder-Chair, Regions 8 & 10 WIE Committees, MGA WIEC roles continuously for 8 years; Region 8 WIE Chair, PES Women in Power Liaison to WIEC, WIE YP Liaison (Voting Member), Chaired several WIEC Subcommittees (Awards, Travel Grants and Outreach). She was actively involved in the coordination of WIE ILC and 25<sup>th</sup> Anniversary Celebration. Simay currently has responsibilities in other OUs; TAB Diversity and Inclusion Committee member, and HAC Partnership Chair (leading WIE, YP, SAC, and EA initiatives). Simay has passion and deep understanding of the structure and operation of WIEC and knowledge of all the best practices over the years. Furthermore, a diverse IEEE OU experiences help her to have wider operational knowledge.

Simay also served in other leadership positions in various OUs including IEEE Day, IEEE Humanitarian Activities Committee & Steering Committees of IEEE SIGHT & IEEE Entrepreneurship, IEEE PES (Chair, YP 2021), IEEE SSIT, IEEE Smart Cities, IEEE Young Professionals (MGA Vice-Chair, Marketing & Outreach), IEEE Student Activities (MGA Vice-Chair, Membership), and positions in Regions 8 & 10. Simay has operational knowledge of Section Executive Committee (Treasurer) and Regional Operations Committee (Region 8 Vice-Chair). She is a VOLT graduate.

To learn more: <https://www.simayakar.com/ieee-volunteer-experiences>

### **Individual Awards:**

- IEEE WIE Inspiring Member of The Year Award (Honorable Mention) 2020
- IEEE MGA Young Professionals Achievement Award 2017, *"For outstanding contributions to the IEEE Women in Engineering, Young Professionals and Humanitarian Technology activities"*.
- IEEE Day Leadership Award 2013

### **Team Awards:**

- IEEE Young Professionals Hall of the Fame Award 2018 (IEEE PES)
- IEEE MGA (Global) Achievement Award 2014 (served as IEEE Day Team Lead 2012-2014)
- IEEE Regional Exemplary Student Branch Award 2007-2010 (Chair of IEEE METU SB)

## **Statement**

IEEE Women in Engineering is a diverse global network that enables and recognizes success for all members in STEM fields to interact, empower, unlock their own potential, develop their careers, increase their self-confidence, improve their professional skills, and accomplish their dreams.

If elected as IEEE WIE Committee Chair, I would work diligently to support and drive this mission and efforts by:

- Supporting WIE members recognition, evaluation, and representation
- Strengthening collaboration with IEEE Organizational Units and Technical Societies
- Empowering industry engagement, humanitarian, entrepreneurship, educational new initiatives
- Leveraging organizational structure and operation
- Highlighting the local WIE OU's best practices, practical improvements that inspire all members and increase collaboration
- Ensuring that voice of every single WIE member regardless of personal, cultural, and disciplinary backgrounds, and member grades will be heard by establishing a platform for sharing your ideas and concerns.

I kindly ask for your vote, and I look forward to serve you!

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in the IEEE Annual Election.

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