2023 IEEE Annual Election

Candidate Biographies and Statements

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IEEE

Advancing Technology for Humanity

Instructions to IEEE Voting Members
Please Read Instructions Carefully Before You Vote

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

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

1. **Electronic Transmission:** Voting materials for the annual election are available online at the IEEE website www.ieee.org/elections. To be authenticated electronically, please use your IEEE Account username/password or use the Control Number and E-signature provided or scan the QR code on your paper ballot.

2. **Paper Returns:** Please sign your ballot. Unsigned (blank) paper ballots do not count as valid votes. Ballots not signed in the signature box on the upper portion of the ballot form do not count as valid votes. The upper portion of the form will be detached after validation and prior to tabulation of the vote by the election vendor.

3. **Ballot Marking:** Vote for the candidate of your choice in each category indicated on the form by marking an X 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 X, 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 2023, 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 2023. 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 Womeng in Engineering Committee Chair-Elect. IEEE officer position descriptions are available online at the IEEE website www.ieee.org/elections.

   NOTE: The 2024 IEEE President-Elect will become IEEE President in 2025.

5. **Deadline for Ballot Receipt: Only ballots received by 12 Noon, Eastern Daylight Time USA (16:00 UTC) on 2 October 2023 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 membes 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, members (in any capacity), and non-members, whenever and wherever 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 www.ieee-ethics-reporting.org. 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 and non-members participating in IEEE activities. 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 (in any capacity), non-members participating in IEEE activities, 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 9.10, 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.

Table of Contents

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

Please read the voting instructions that appear on pages 2-3.

ROGER U. FUJII
(Nominated by IEEE Board of Directors)

President
Fujii Systems, Inc – Trusted Systems
Rancho Palos Verdes, California, USA
https://ieee.org/pe24/fujii

Meet Roger by watching a brief video at
https://ieee.org/pe24/fujii or scan the QR code.

Fujii

Roger is an IEEE Fellow and served in elected positions including VP Technical Activities, Division VIII Director (Board), and President, Computer Society. He was a Vice President (retired) at Northrop Grumman who grew his division's revenues to $1B and spearheaded the invention of an airborne communication system. Roger created the methodology for certifying critical systems codified in IEEE Standard 1012.

As chair of "IEEE in 2050 and Beyond," Roger is leading vital changes to prepare IEEE for the future. Previously, Roger implemented improvements in financial transparency, service center efficiency, and membership engagement.

He was a Xiamen University guest professor and a UCLA and California State University lecturer. Roger authored numerous papers, many classified. He served on the National Academy of Sciences council (Space Shuttle).

Notable awards include Eta Kappa Nu and Richard Merwin Service Medallion. He holds degrees in Electrical Engineering/Computer Science from UC Berkeley and an MBA from UCLA.

Statement

At the front of our acute global challenges, IEEE has the unique opportunity to contribute technical leadership and innovations toward lasting solutions. To seize it, we need to develop our organization to be more responsive in serving our community and resilient in an increasingly uncertain operating environment. To this end, as President, I will pursue a strategy to transform IEEE with the following objectives:

- **A proactive, inclusive community that uses technology for the good of others.** We will continue to increase our membership and its diversity.

We will expand collaborations with industry, government, students, and others who strive to use technology to make the world better.

- **Provide sustainable solutions to the world.** Working with a more inclusive community gives us more influence and brain trust to innovate for the world's systemic challenges - climate change, reliable food sources, accessible healthcare, clean environments, and sustainable energy sources.

- **Deliver more quantifiable value to our members.** We will engage more members and invest IEEE funds to develop products and services that deliver real, differentiated value. Our products and services must be more relevant and useful to our entire community of volunteers and members.

- **Build a resilient organization.** For IEEE to last in any operating environment, we will establish the processes and governance to operate efficiently and continually evolve our organization. We must include emerging multi-disciplinary communities and the members in growing global regions.

IEEE Accomplishments and Activities
(M'88-SM'04-F'09-LF'17)

Changing IEEE For the Future

1. Led a strategic workgroup to produce *Defining IEEE in 2050 and Beyond*, which identified future world scenarios and implications for IEEE. The paper was the impetus for current workgroups to revitalize IEEE by developing a new organizational model, creating more relevant products and services, and solving societal challenges.

2. Enforced requirements from *Financial Report Transparency* in implementing the IEEE financial system, which empowered volunteers with greater control of their activities.

3. Defined the **Shared Service Center Model** currently implemented in staff services. This model creates centers of excellence to produce world-class results while reducing staff costs.

New Products and Services

1. Developed the methodology for certifying critical system (e.g., nuclear power instrumentation and control, manned space system) as codified in **IEEE Std 1012**. It assures regulatory bodies and developers of a system's safety, performance, and security.

2. Convinced US agencies to adopt IEEE standards in government contracting, fostering greater collaboration among global workforces.

3. Developed **ISO/IEC/IEEE Std 12207** (Software Life Cycle Processes) as USA delegation chair. It set a unified software development terminology for the global workforce.

4. Negotiated the Computer Society book program (now **IEEE Book Program**) with Wiley Press. The program provides a proven process for producing and distributing books worldwide.

5. Drafted the journal incentives plan for the **IEEE Publications Open Access Strategy**. This created 20+ Open Access journals and a robust channel for IEEE authors to publish Open Access research papers.

Engagement and Membership

1. Formed the Technical Activities committee on **Society/Council Engagement** with operating units (e.g., MGA local groups). It provides a direct channel for members to keep current with emerging technologies.

2. Created a **Multidisciplinary Membership Engagement Model** that offers members a discount to pursue cross disciplinary interests and provides a way to address society's grand challenges.

KATHLEEN A. KRAMER, PhD
(Nominated by IEEE Board of Directors)

Professor
University of San Diego
San Diego, California, USA
https://ieee.org/pe24/kramer

Meet Kathleen by watching a brief video at https://ieee.org/pe24/kramer or scan the QR code.

Kramer

Kathleen A. Kramer is a Professor of Electrical Engineering at the University of San Diego. She has also been a Member of Technical Staff at several companies, including ViaSat, HP, and Bell Communications Research. She served as Director of Engineering (2004-2013), providing academic leadership for all of the university's engineering programs. She is a Distinguished Lecturer for the IEEE AESS and an officer of the society. She received the B.S. degree in electrical engineering with a second major in physics from Loyola Marymount University, and the M.S. and Ph.D. degrees in electrical engineering from CalTech. She has emphasized collaborative leadership to successfully advance the mission of IEEE by making high-level leadership contributions across a wide spectrum of IEEE activities and technical communities. Her board-level roles include service as IEEE Secretary and chair of Governance, IEEE Region 6 Director, and as chair of the 2023 IEEE Ad Hoc on Innovating Funding Models.

Statement

I offer transformational leadership for a better IEEE. I approach the responsibilities of this role with respect for the challenges, and an awareness of the opportunity the President-Elect is entrusted with to transform IEEE. I have proven myself to be a collaborative leader in every leadership position I've held. My most significant accomplishments have stemmed from sincerely valuing and including different interests and perspectives, and teaming towards strategic goals that allow the whole to become greater than the sum of the parts. If elected, I will continue to see one IEEE whose commitment to technical excellence and expertise provides the inspiration and engagement based in its people and their technical activities. I am grateful for each of my leadership roles within and on behalf of the IEEE – as each has brought with it the opportunity to partner across the IEEE, working with inspirational and effective leaders and volunteers, to contribute together to advance technology.

I commit to these five priorities:

- Inspire and engage the next generation of IEEE, especially WIE (Women in Engineering), Young Professionals, and Students

- Include our global and diverse membership, effectively and equitably, to better advance technology

- Collaborate as a community on our transformational public imperatives-education, policy, history, community, and humanitarian technologies.

- Improve the effectiveness and efficiency of the IEEE while honoring our obligations to the membership

- Empower the success of our technical communities, global and local, to share and foster technical knowledge and enhance our professional lives

IEEE Accomplishments and Activities
(S'88-M'90-SM'01)

Kathleen Kramer brings to the position of President-Elect a well-earned understanding of our members and our global and diverse organization. She has made high-level leadership contributions to advance the mission of IEEE across a wide spectrum of IEEE activities and technical communities. These include contributions as IEEE Secretary, IEEE Region 6 Director, chair of the 2023 IEEE Ad Hoc on Innovating Funding Models, as an officer of the IEEE Aerospace and Electronic Systems Society, and within and for our communities, including Women in Engineering, Young Professionals, and Student Activities. Recent highlights:

- As Chair of the IEEE Ad Hoc on Innovating Funding Models (2023) shepherding a large cross-IEEE committee developing innovative funding models to better advance key IEEE activities related to our technical interests and the public interest with high impact to the IEEE mission.

- As IEEE Secretary and Director (2019-2021), she chaired the IEEE Governance Committee and helped champion multiple time-critical initiatives, including major changes related to ethics and member conduct, diversity and inclusion, information transparency, and projects with each of the major boards.

- As IEEE Region 6 Director (2017-2018), led the largest USA region, professional home to the greatest portion of industry members. Leadership focus within the region on engaging and reforming for the success for the next generation of members, collaborations across regions, and contributing Public Visibility as a signature major initiative.

- As a leader within the IEEE Aerospace and Electronic Systems Society, served as Secretary (2023), Education Vice-President (2016-2018), Board of Governors, Cyber Security Technical Operations Panel Chair (2017-2023).

- As IEEE Commissioner to the Engineering Accreditation Commission of ABET (2014-2019, 2019-2022), successfully advanced university engineering and computing education globally, with advances in criteria for cyber security, mechatronics and robotics, and the incorporation of diversity and inclusion.

- TAB/PSPB Product and Services Committee (2022), IEEE-USA Government Relations Council (2019-2020), IEEE San Diego Section Executive Committee.

HOMER ALAN MANTOOTH
(Nominated by IEEE 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. He then joined Analogy, a startup company in Oregon, focusing on modeling and simulation. In 1998, he joined the faculty of the UA, where he is now Distinguished Professor and holds 21st Century Research Leadership Chair in Engineering. He founded and serves as the Executive Director of National Center for Reliable Electric Power Transmission at UA, and the NSF I/UCRC on GRid-connected Advanced Power Electronic Systems (GRAPES). He is Deputy Director of the NSF Engineering Research Center entitled Power Optimization for Electro-Thermal Systems (POETS). He has co-founded three companies in design automation (Lynguent), IC design (Ozark Integrated Circuits), and cybersecurity (Bastazo). He is a registered professional engineer in Arkansas, and a member of Tau Beta Pi, Sigma Xi, and Eta Kappa Nu.

Statement

Through over two decades of Society leadership, my colleagues can attest that I will apply servant leadership principles to my term in office. My background in industry, academia, and entrepreneurship have taught me to seek advice, listen to constituents, and represent people with a professional passion. It has also taught me the value of creative thinking when problem solving. I hope to make a difference on the IEEE Board by helping to promote diversity and inclusivity, advocating for our Societies and their needs – both large and small, and ensuring transparency in communications. As my experience demonstrates, I will work earnestly in an ethical and team-oriented fashion with the Division II Societies to represent their views and advocate for their needs at the IEEE Board level, while working with my fellow Directors to achieve strategic and tactical goals that advance IEEE's mission.

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.

IEEE Accomplishments and Activities
(S'83-M'90-SM'97-F'09)

Dr. Mantooth has been an active and committed volunteer for IEEE for 40 years. He has held the following leadership positions in IEEE Power Electronics Society (PELS), Circuits and Systems (CAS), and Council on Electronic Design Automation (CEDA):

- 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 Power Electronics Society (2004-2012)

- VP Operations of PELS (2013-2016)

- President-Elect, President, Immediate Past-President, Sr. Past-President of PELS (2016; 2017-2018; 2019-2020; 2021-2022)

- TAB Awards and Recognition Committee (2019-2022)

- EiC of *IEEE Open Journal of Power Electronics* (2019-Present)

While serving as PELS President, Dr. Mantooth created initiatives to significantly increase PELS membership, which now exceeds 10,000, expanded technical operations and activities, strengthened conference and product portfolios, and enhanced our 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 and PELS Day (June 20) to engage members more directly. Under his leadership, PELS has been in steady growth with very strong financial positions with annual surpluses exceeding $1M. He worked with the IEEE TAB Finance Committee to establish two IEEE Foundation accounts funded by Society surpluses to support scholarship and humanitarian endeavors.

He has led volunteers in establishing and expanding international conferences including IEEE Workshop on Wide Bandgap Power Devices & Applications (WiPDA), WiPDA-Asia, IEEE International Symposium on Power Electronics for Distributed Generation Systems, IEEE Workshop on Design Automation for Power Electronics, IEEE Workshop on CyberPELS, and the Design Methodologies Conference. He led the successful launch of the *IEEE Open Journal of Power Electronics* in late 2019, which ranks among the fastest submission to first decision journals in IEEE.

GEORGES ZISSIS, PhD
(Nominated by IEEE Division II)

Professor and Vice-Rector
Toulouse 3 University
Toulouse, France
https://cv.hal.science/georges-zissis

Georges ZISSIS, PhD is full Professor and Vice-Rector of Toulouse 3 University (France), IEEE HKN member. He is managing the "Light & Matter" research group (LAPLACE laboratory) enrolling 20 researchers. He won, in December 2006 the 1st Award of IEC-International Electrotechnical Committee Centenary Challenge, in conjunction with IET, IEEE and the Observer, for his work on standardization for urban lighting systems. In 2009, he won the Energy Globe Award for France, in 2022 he received the Alfred Monnier Prize, the highest recognition from the French Illuminating Engineering Society. He was President of the Power Electronics, Electronics, Optoelectronics and System section of the French National Council of Universities, managing 1,500 academics'. He is chairing the 4E-Solid State Lighting Annex for International Energy Agency. He was the 2019-2020 President of IEEE Industry Application Society. Today, he is chairing the IEEE Smart Cities Program and initiated the IEEE Future Directions, Smart Lighting project.

Statement

IEEE is the largest professional association worldwide, considered to be an influent, global leader in technology, aiming "to foster technological innovation and excellence for the benefit of humanity". Division II societies contribute thoroughly to this image. Looking at the "big picture", I could say: "everything is fine, let's keep it going" and continue business as usual. However, my background as scientist has taught me to always look behind the "big picture" and try to detect any potential instabilities, turbulence, or even worse, failures… That's how I have shaped my vision for making Division II brighter for years to come. My aspiration is, first of all, to drive our division's growth and make it sustainable, by reinforcing the appeal and value to our members. If elected, I commit solemnly to dedicate my time and resources to bring this vision to a reality. To achieve it, I propose: (1) Develop breakthrough services to increase membership value and impulse new federating projects across societies; (2) Attract and retain Young Professionals to perpetuate the Division II for sustainable growth.

IEEE Accomplishments and Activities
(M'93-SM'06)

Contributions

- During my IEEE SCT-Smart Cities chairmanship, SCT was selected as pilot to experiment TC2.0 process. I am now working on the transformation of SCT into a Technical Community with enhanced attributes.
- I initiated the FDC Smart Lighting project. Here, we developed a contest for sustainable lighting for poor areas collaborating with IAS and IEEE Smart Village.
- During my tenure as IAS president (2019-20), I worked with IAS and PES leaders to establish an innovative Joint Technical Standard Coordinating Committee (JTSCC), to securing IEEE representation from both societies to develop NFPA standards. I have also created a Diversity, Equity and Inclusion (DEI) standing committee reporting to IAS board. As Vice-president (2017-18) I was in charge of IAS Long Range Planning, and as Past-president (2021-22) I was in charge of IAS Nominations Committee.
- Chairing, IAS ILDC Technical Committee, one of the oldest IEEE technical committees, I expanded its scope, and name changed from Production and Application of Light to Industrial Light and Display Committee.

Positions

- IEEE-Eta Kappa Nu (HKN) Member, HKN Chapter of the Board of Governors Professional Member
- 2023 Voting Member, Education Activities Board, Faculty Resource Committee
- 2020-Present Chairman, Smart Cities Technical Community
- 2021-Present Chair, FDC Smart Lighting Project
- 2022-2023 Member, Division II Representative, TAB Awards and Recognitions Committee
- 2021-Present Member-at-Large, TAB TC2.0 Ad-Hoc
- 2021-Present Member, Futures Directions Committee (FDC)
- 2020-2022 Member, TAB Sustainable Development Task Force
- 2020-2022 IAS Representative, Systems Council AdCom
- 2020-2021 Member, TAB Publications Group Supporting Documents
- 2021-2022 IAS Past President (Nominations and Intersociety Relations)
- 2019-2020 IAS President, Member of TAB
- 2008-2010 Chairman, IAS Industrial Lighting and Display Committee
- 2012-2014 IAS Manufacturing Systems Development and Applications Department Chair
- 2017-2018 IAS Annual Meeting General Chair
- 2008-2018 Member of Editorial Board, *IEEE/OSA Journal of Display Technology*
- 2003-2006 Associated editor, *IAS Transactions* (PALC Committee)

CHARLES M. RHOADS
(Nominated by IEEE Division IV)

Retired
Principal Fellow and RF Technology Director
Raytheon Technologies / Intelligence and Space
McKinney, Texas, USA

BSEE-1976, MSEE-1978, PhD-1983 – The Ohio State University (OSU).

Dr. Rhoads joined Raytheon Technologies in 1983 and retired at the end of 2020. He was a Principal Fellow and RTX/RIS RF Technology Director with responsibility for technology strategy and IRAD execution for Radar, EW, and RF Communications systems. Previously he was with the Advanced Products Center, developing antennas, phased arrays, and radomes for broadband systems.

Dr. Rhoads' work at the OSU ElectroScience Laboratory was involved with activities related to target ID based on natural resonances, and the design, fabrication, and measurement of IR Frequency Selective Surfaces (FSS). He is an OSU/CoE Distinguished Alumnus and previously chaired the ECE Industrial Advisory Board. He was a member of the USAF Scientific Advisory Board (SAB), Eta Kappa Nu (HKN), and a Registered PE in Texas. He has numerous publications and patents in the areas of resonance-based target ID techniques, IR FSSs, low-cost arrays, and RF MEMS.

Statement

Leading IEEE activities, especially at the society level, was significant to my career and professional development. As Division IV Director, I want to help ensure that IEEE and our societies continue to best serve our members by providing opportunities for technical collaboration and professional growth. An area where improvements can lead to significant benefits is in additional collaboration between societies and councils. The 1990 joint APS-MTTS symposium, is an example. Such collaborations are required in the business community and can lead to increased opportunities and successes for our members. Helping these effective collaborative activities move from concept into action and developing the relationships for them to succeed requires a high degree of organizational transparency and trust. Since I have worked on several collaborative developments, I can facilitate these activities across Division IV societies, the two councils in Division IV, and explore additional

opportunities with other divisions/societies. Also, emphasizing transparency and trust across IEEE will help improve operations and will ultimately be in the best interests of all IEEE members and technical organizations.

IEEE Accomplishments and Activities
(S'78-M'82-SM'89-F'17-LF'20)

Dr. Rhoads became an IEEE student member in 1978 with primary interests in the Antennas and Propagation Society (APS) and the Microwave Theory and Techniques Society (MTTS); he has also been a member of several other societies. He began serving IEEE volunteer activities in 1986 as Co-Chair of the Dallas Chapter of APS, and became Chapter Chair in 1987. During his tenure as chair, Dallas won the APS "Best Chapter" award. During/following his term he helped with planning and arrangements for the APS International Symposium held in Dallas (1990). The symposium was challenging as it was held jointly with the MTTS International Symposium, and multiple related events. Dr. Rhoads was the lead for APS Registration and helped negotiate agreements and event revenue sharing. This collaborative event was highly challenging, but also a significant success for all parties involved.

Dr. Rhoads was elected to the APS Administrative Committee (AdCom) and served a three-year term (2000-2002). He was elected APS President-Elect in 2006, and served as President in 2007; this included serving as a member of TAB. Dr. Rhoads then served APS on the AdCom as Past-President with vote from 2008-2011. He continued to serve AP-S as a member of the Past-Presidents' Council, the Industrial Relations Committee, and as reviewer for Student Paper contests.

During 2021-2022 Dr. Rhoads served as the Division IV representative on the TAB Awards and Recognition Committee (TAB/ARC); this group is tasked with reviewing/approving all new awards and recognition activities within TAB's purview. In addition, during the middle of 2022, Dr. Rhoads was invited to participate and served on a small taskforce to review the classification of different categories of S/C awards (in particular, Society Technical Committee awards) and the approval process for such awards.

CHARLES M. JACKSON
(Nominated by IEEE Division IV)

Retired
Northrop Grumman Aerospace Systems
Huntington Beach, California, USA
https://www.linkedin.com/in/charlie-jackson-r6/

Charlie Jackson has retired from Northrop Grumman Aerospace Systems in Redondo Beach, California. Charlie has been active in a broad range of microwave and millimeter-wave technologies. After receiving his doctorate at UCLA, he worked at Hughes, TRW, Ditrans, Raytheon, and Northrop Grumman. While recovering from cancer, Charlie pursued a lifelong dream of designing and measuring the acoustical properties of woodwind musical instruments; he now uses 3D printing to make them. He is available to give a talk on "Microwaves and Woodwinds" as part of the MTT Speakers bureau. While at Northrop Grumman, Charlie supported space based programs. He is a member of MTT, APS, and UFFC. Charlie is a Fellow of the IEEE, has 5 patents, and has published more than 30 articles. He has been active in IEEE chapter, section, conference, and society activities. He is currently Chair of the IEEE Conferences Committee.

Statement

The Division Director position is important because, on the one hand, it provides representation to the BoD, and on the other hand, it provides a way for the Division IV Director to compare and share best practices for the societies in the division.

Here are my focus areas:

Best practices for increasing member engagement and participation. I will look at the best practices for each of the societies in Division IV, and benchmark some other societies outside the division.

When half the IEEE memberships does not join a society, member engagement is an issue that needs to be addressed.

Dealing with Open Access. Each Society is working on ways to face the changes that Open Access will bring about. This problem is being dealt with on a number of levels, and we need to keep our eyes on it.

Improving conferences. With my background in IEEE conferences, I will review

all Division IV conference portfolios, and find best practices to socialize. Are there opportunities for two societies to share a venue? Identify common issues.

IEEE Accomplishments and Activities
(S'83-SM'93-F'07-LF'20)

COMMITTEES/BOARDS:
2023 IEEE Conferences Committee Chair (2nd Term).
2002 IEEE Meetings and Services Committee Chair (1st Term) (The name changed, but they are the same position).

REGIONS: 2016-2022 Region 6, Southern Area Coordinator and other roles.

SECTIONS/CHAPTERS: Held numerous positions in the Coastal Los Angeles Section and MTT Chapter. Currently treasurer for the CLAS Section, the APS and MTT Chapter. Various years from 1986 to present. Organized a 1-day APS and MTT chapter event for 10 years; CLASTECH.

SOCIETIES: Charlie Jackson is a Past President of the IEEE-MTT Society. He is a Member of MTT, APS, and UFFC. Led the MTT Digital Library project (1997-1999). Led the MTT translation project to translate Microwave Magazine articles into Spanish, Portuguese, and Chinese (2008-2010). He is currently serving as the MTT parliamentarian.

CONFERENCES: SusTech 2018 local arrangements, 2020 Steering Committee Chair, 2021 TPC Chair, Chair of 2005 International Microwave Symposium, 2010 Radio and Wireless Symposium, 2013 International Wireless Symposium in Beijing, and CLASTECH, a local MTT and APS Chapter meeting. Finance chair of the 1999 International Microwave Symposium. He is the Steering committee chair of the IEEE Online Forum on Climate Change Technologies.

OTHERS: Region 6 Award for Leadership & Professional Service Award (2015) based on years of service to the Sections in the Southern Area. Chair of MTT committees Nominations and Appointments (2008-2010), MTT Awards (2014-2016), MTT Strategic Planning (2009-2011).

RUSSELL D. MEIER
(Nominated by IEEE Division VI)

Computer Engineering Program Director, and
Professor of Electrical Engineering and Computer Science
Milwaukee School of Engineering
Milwaukee, Wisconsin, USA
https://faculty-web.msoe.edu/meier/

Dr. Russ Meier teaches computer architecture at Milwaukee School of Engineering and serves as its Program Director for the undergraduate Computer Engineering degree. His NSF funded research explores how first year students develop computational thinking. He received the Iowa State University Teaching Excellence Award, the Iowa State University Warren B. Boast Award for Undergraduate Teaching Excellence, and the MSOE Oscar Werwath Distinguished Teacher Award.

He belongs to IEEE and IEEE-HKN, Computer, Education, and Professional Communication Societies, as well as the American Society for Engineering Education and its Electrical and Computer Engineering and Educational Research and Methods Divisions. In these groups, he helps deliver engineering education conferences, webinars, and certificate programs. He leads ABET teams accrediting engineering degrees.

IEEE elevated him to Fellow for contributions to global online engineering education. And, the International Society for Engineering Education bestowed International Engineering Educator Honoris Causa for outstanding contributions in engineering education.

Statement

Two areas are critical to keeping IEEE relevant to young professionals. First, collaboration between Societies and Boards must result in development and support of the types of cross-area platforms and products demanded by digitally native members. Our curated technical content, continuing education platforms, and servant-leadership experiences must combine into an IEEE serving its members in a digitally responsive way based on their daily needs. I will continue my documented history of bridging OUs within IEEE and work to brainstorm and implement products appealing to young professionals living the modern digital reality. Second, the membership cost structure must be realigned to reflect the new value surface created by freely available on-line information. Discounted multi-year dues, traditional annual dues, and even month-to-month dues provide flexible membership models that appeal to different types of professional members and their budgets. And tiered membership models allow members to elect a higher-priced option if it adds value to their professional development. As Division Director, I will work to encourage and develop a continuous improvement process for the IEEE membership cost structure.

IEEE Accomplishments and Activities
(S'90-M'98-SM'09-F'18)

I have a two-decade history of volunteer service and executive leadership within IEEE. I am well-known in TAB, EAB, HKN, MGA, and IEEE-USA. I have delivered multiple cross-OU projects.

IEEE Education Society President: I led and managed a twelve-member board, four vice-presidents, and four additional executive officers. I represented the Society on the Technical Activities Board. My major deliverables include:

- Transitioned Society from volunteer to paid operational management.
- Launched modern operation plan.
- Launched new master brand for consistent look-and-feel.
- Launched new website and social media channels.
- Launched quarterly newsletter.
- Developed membership brochures in five languages.
- Launched Remote Learning Webinar Series in response to COVID-19.
- Launched Engineering Education 2.0 Webinar Series.
- Launched IEEE-Access Education Society Section.
- Launched table-of-contents service.
- Published IEEE Standard 1876-2019.
- Initiated IEEE Standard P2834.
- Year-to-year membership increase in nine IEEE Regions during the COVID pandemic.

IEEE Education Society Vice President of Conferences: Over nine years, I grew the Society's conference portfolio from one flagship conference to four by working with regional leaders to plan, develop, and execute new events in Europe, Asia, and South America. I also chaired steering committees, negotiated with vendors, oversaw budgeting, and implemented policies and procedures.

- EDUCON – Europe
- TALE – Asia
- EDUNINE – South America

Engineering Accreditation: As an ABET member society, IEEE trains and assigns program evaluators to teams evaluating institutions offering degrees in the IEEE fields of interest. It also nominates its program evaluators to serve as ABET commissioners and delegates. I have served for eight years on the IEEE Committee on Engineering Accreditation Activities. My deliverables include:

- Mentoring and performance assessment of program evaluators.
- Development of Mechatronic Engineering Program Criteria currently out for public comment.
- Representing IEEE as a global Computer Engineering Program Evaluator.
- Representing IEEE as an ABET EAC Commissioner leading global accreditation teams.
- Representing IEEE on the ABET EAC Curriculum Committee.

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

Director, CCM Consulting
Part Time Academic, Sydney Institute of Technology
Sydney, NSW, Australia

Stefan obtained 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 has taught for 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.

Statement

I have been an IEEE volunteer for over 30 years and served as a volunteer in many capacities from grassroots positions (Chapter Activities) to serving at TAB, MGA, and EAB. I know how the IEEE works and I am well known within the IEEE. I have been recognized for my commitment to serve the IEEE and its members. If elected to the Division VI Director position, I will represent the interests of the IEEE as is required of a Director.

IEEE's motto is "Advancing Technology for Humanity". I will promote this through diversity and inclusion. Being from industry, I understand the needs of practitioners, and my work in universities provides me with an understanding of the needs of academics. There are many global issues which influence Members' careers. Having lived and worked on four continents I bring an international view to the board that supports the IEEE in helping members navigate the challenging environment they are working in, and to be a resource throughout their career.

IEEE Accomplishments and Activities
(M'88-SM'92-F'15-LF'20)

- Chair IEEE Ad Hoc Committee on IEEE's Response to Multimedia (2023)
- President IEEE PSES (2020-2021)
- Chair of LSTC (2018-2019)
- President IEEE CE-Soc (2013-2014)

Selected Awards
- 2021 IEEE MGA Achievement Award
- 2017 David Robinson Award, Engineers Australia
- 2015 IEEE Region 10 (Asia Pacific) Outstanding Volunteer Award
- 2009 + 2015 IEEE Consumer Electronics Society Outstanding Service Award

- 2015-2016 IEEE CE Society Distinguished Lecturer
- 2000 IEEE Millennium Medal

Committees
- Sections Congress 2017 Sydney Australia
- Local Arrangements Chair
- Region-10 Sections Congress Chair
- Member of CCCBP Committee (EAB)
- Member Conferences Publications Committee (2016)
- Chaired Ad Hoc on "Conference Finances" (2013)
- Chaired Ad Hoc on "Conference Naming" (2012)

TAB Global Initiatives Committee
- Committee Member (2013-2014)

TAB Life Sciences Technical Community
- General Chair First IEEE Life Sciences Conference 2017
- Education Chair (2014-2017)

Service on Section committees:
- Innovations Committee Chair Region-10
- NSW, Australia
- Hong Kong
- Singapore

Society Activities:

Consumer Electronics Society (CE Soc):
- VP Conferences (2010-2013)
- VP International Affairs & Chapter Relations (1998-2009)
- Founder of the *CE Magazine*
- Associate Editor *CE Magazine*
- Associate Editor *CE Newsletter*
- Associate Editor *Transactions on CE*
- Chair LTSC Committee

Product Safety Engineering Society (PSES):
- VP Conferences (2015-2016)
- Director-at-Large (BOG) (2011-2016)

Broadcast Technology Society:
- Board Member-at-Large (2015-2017)

Circuit and Systems Society:
- Member of the Finance Committee (2017)
- Board Member - Industry Representative (2017-2019)

Reliability Society (Rel Soc):
- Chair Maintenance Technical Group (2001-2008)

Chapter Experience:
- Founder of the Consumer Electronics Chapter in Singapore
- Co-founder of the Engineering Management Chapter Singapore
- Founder of the Engineering Management Chapter in NSW, Australia
- Chapter Chair of the Hong Kong Consumer Electronics Chapter
- Held various chapter positions: Chair, Vice Chair, Treasurer

Conferences:
- Started 7 conferences in R-10, and 4 outside R-10
- Served as the inaugural General Chair of Region 10 Tencon-Spring in 2013 (renamed to TENSYMP)
- Served on over 100 conference committees in leadership roles

REN-CHYUAN LUO, Ph.D.
(Nominated by IEEE Division VI)

Irving T. Ho Chair Professor
National Taiwan University
Taipei, Taiwan
http://www.iceira.ntu.edu.tw

Prof. Ren Luo, IEEE Fellow, Ph.D. of TU Berlin, Germany, holds Irving T. Ho Chair Professor at National Taiwan University; held Toshiba Chair Professor at University of Tokyo. Over 15 years, was Professor in North Carolina State University, USA. Published over 550 international refereed papers on AI enhanced intelligent control and robotics systems. He has made significant impact on best practices from Lab to Market in transferring technologies to industrial companies with over USD $5 Million contributions to University. His academic contributions with career-long citation ranked in the 2020-2022 Stanford University's Top 2% of the Most-Cited Scientists of the world. He was President of the IEEE Industrial Electronics Society, President and Dean of National Chung Cheng University, CTOs of multinational major companies, ASUS, Inc. and FFG, Inc. He received numerous major international outstanding achievement awards including the IEEE Eugene Mittelmann Outstanding Research Achievement Award and the IEEE IROS Harashima Innovative Technologies Award.

Statement

I clearly understand the commitment for the role as Division VI Director.

1. I do advocate the importance of IEEE operations to always properly align with strong support to its Societies/Councils activities and needs especially the common essential problems/issues/needs of small and medium sized societies/councils.

2. I do support the IEEE policies on equality, diversity and inclusion to ensure fair treatment in levels of leadership and opportunities for all.

3. I do advocate the needs to promote educational and industrial focused events as well as training opportunities to younger generation members from academia and industry.

4. I do advocate in promoting the collaborations and joint ventures through sharing ideas and best practices, among Division VI member societies.

If elected as Division VI Director, I do commit on leveraging my experiences as

academic professor, university president, dean of engineering, CTO of major corporations, in addition to my 30 years services in a number of various IEEE leadership positions to foster and enhance our core added member value proposition throughout the IEEE-TAB and IEEE Board of Directors.

IEEE Accomplishments and Activities
(M'83-SM'88-F'92-LF'17)

1. Ren has been an active IEEE volunteer for over three decades mainly in IEEE-IES as AdCom member and served as VP Publication, VP Technical Activities, VP Administration, President-Elect and President of IES (2000-2001), led successful IEEE five-year Society review; has taken several new initiatives to enhance IES, a vibrant evolving Society, e.g. taking cross societal collaborations in conferences/publications and signed MOU with IEEE sister societies, IEEE-PES, IEEE-PELS, IEEE-IAS; strengthen the quality of IECON, the IES flagship conference which is now a world class major IEEE-sponsored conference.

2. Took initiative to write draft proposal for a new journal on Mechatronics within IEEE and joint sponsored with ASME as *IEEE/ASME Transactions on Mechatronics*; served as Editor-in-Chief (2004-2008), increased to 6 issues/year, drastically increased paper submissions and quality, led successful IEEE five-year PRAC periodic publication review and become one of major journals in IEEE.

3. Was appointed as the new Editor-in-Chief of *IEEE Transactions on Industrial Informatics* (*TII*) in the middle of 2016 during the time that *TII* encountered a serious episode (sactioned impact factor for a year) in 2014. He took on the crisis/risk management role and refurbished the *IEEE-TII Transactions*. Since then, *TII* paper submissions drastically increased from 1,500 (2015) to 6,000 (2022). The Impact Factor increased from 4.708 (2015) to 11.648 (2021), ranked 14 among 176 IEEE Journals. The *TII* YoY usage has steadily increased (January 2015 - March 2022, total usage reached 5,106,676) and annual revenue income increased to USD $1,034,025 (2022).

4. In addition to actively serving as Technical Program Chair and member for over 100 IES-sponsored conferences, he also served as General Chair for over 15 successful IEEE-sponsored major international conferences.

5. Served on IEEE-level Committees, namely, IEEE James H. Mulligan, Jr. Education Medal Committee (2010-2013) and Steering/Advisory Committee for the IEEE/RSJ IROS conference series (1990-2023).

WILLIAM D. GROPP
(Nominated by IEEE Division VIII)

Director of the National Center for Supercomputing Applications, and
Thomas M. Siebel Chair Professor
Department of Computer Science
University of Illinois at Urbana-Champaign
Urbana, Illinois, USA
http://wgropp.cs.illinois.edu

Dr. William Gropp is Director of the National Center for Supercomputing Applications and holds the Thomas M. Siebel Chair in the Department of Computer Science at the University of Illinois at Urbana-Champaign. He received his Ph.D. in Computer Science from Stanford University in 1982. Before coming to UIUC, he was on the faculty at Yale University from 1982-1990 and part of the Mathematics and Computer Science Division at Argonne National Laboratory from 1990-2007.

He has played a major role in high performance computing, including the development of the Message Passing Interface (MPI) standard and numerical algorithms and software for massively parallel systems.

Gropp is a Fellow of ACM, AAAS, IEEE, and SIAM and received the Sidney Fernbach Award from the IEEE Computer Society in 2008 and the ACM/IEEE Computer Society Ken Kennedy Award in 2016. Gropp is a member of the National Academy of Engineering.

Statement

The IEEE faces challenges in prospering as a professional society in the 21st century. These include:

- Membership needs to address global changes in the profession and must adapt to be not only relevant but essential to practitioners, whether they come from academia, government, or industry.
- Open Access publishing, not just for the financial impact, but the change in culture that the open access movement is advocating.
- Community-driven solutions in publishing, reviewing, and organizing challenge the relevance of professional societies.
- As a complex organization, IEEE needs to better support the smaller councils and societies and partner with the larger ones.

IEEE must focus on what it can do, such as be a neutral convener that brings parties together, and avoid what it can't do, such as compete with academia, government, and industry. It must leverage its assets, especially the connections to its members through its societies and councils. I will focus on improving the connections between IEEE and its members, building on and complementing the strengths of the councils and societies.

IEEE Accomplishments and Activities
(AF'94-M'00-SM'08-F'10)

Overview of IEEE-Related Services:

Conferences:
- IEEE/ACM International Conference on High Performance Computing (IEEE/ACM SC)
  - IEEE/ACM SC06 Technical Papers Co-Chair
  - IEEE/ACM SC09 Technical Program Chair
  - IEEE/ACM SC11 Finance Chair
  - IEEE/ACM SC13 General Chair
  - IEEE/ACM SC17 Vice-Chair
  - IEEE/ACM SC19 Plenary Production (Keynote) Chair
  - IEEE/ACM SC20 Invited Speakers Vice-Chair
  - IEEE/ACM SC21 Awards Vice-Chair
  - IEEE/ACM SC Steering Committee (2011-2015; Chair-2014)
- IEEE Cluster Conference, 2002 and 2006 Technical Program Chair
- IEEE/ACM CCGrid 2012 Technical Program Area Chair

Technical Program Committee Member:
- IEEE/ACM SC 2002, 2003, 2004, 2005, 2008, 2010, 2011, 2015, 2016, 2017, 2018, 2022
- IEEE/ACM CCGrid 2011, 2012, 2013, 2014
- IEEE Cluster 2003, 2004, 2014, 2015, 2016
- IEEE IPDPS (IEEE International Parallel and Distributed Processing Symposium) 2004, 2008, 2014, 2015
- IEEE/ACM PACT (International Conference on Parallel Architecture and Compilation Techniques) 2015, 2016
- IEEE BDSE (IEEE International Conference on Big Data Science and Engineering) 2014

Service to the IEEE Computer Society:

IEEE CS President (2022):
- Focus on future of conferences, open access, engaging membership, greater strategic involvement of the board of governors, and making progress on diversity, equity, and inclusion.
- Emphasis on synergies between boards – for example, standards as a way to engage industry members, open access opportunities and issues for conferences as well as journal publications, improving coordination between membership activities (chapters) and technical and conference activities.
- Budget planning focus on sustainable activities to increase value to members and identify emerging technical areas.
- Greater coordination and cooperation with other IEEE societies and councils.

CS Activities:
- VP, Technical and Conference Activities (2019-2020)
- Board of Governors (2017-2022)
- Corresponding Member, 2020 Conference Publications Committee
- Seymour Cray Award Committee (2004, 2009)
- Sidney Fernbach Award Committee (2009)
- IEEE-CS Fellows Committee (2010-2013, 2015)
- ACM/IEEE-CS Ken Kennedy Award Committee (2017-2019), 2019 Chair
- Chair, 2016 Ad Hoc to improve IEEE-CS/SC conference relations

CECILIA METRA
(Nominated by IEEE Division VIII)

Professor, Deputy-President Engineering School
University of Bologna
Bologna, Italy
https://events.unibo.it/cecilia-metra-2024-ieee-division-viii-delegate-elect-director-elect-candidate

Cecilia Metra is a Professor and the Deputy President of the School of Engineering at the University of Bologna, Italy, where she received the Laurea Degree in Electronic Engineering and the PhD in Electronic Engineering and Computer Science. In 2002, she was visiting faculty consultant for Intel Corporation.

She is part of the Italian National Research Center on High Performance Computing, Big Data and Quantum Computing, and the Italian Research Project on Security and Rights In the CyberSpace.

She is 2022-2023 IEEE Director/Division V Delegate, and she was 2019 IEEE Computer Society President.

She was Editor-in-Chief and Editorial Board member for several international Journals, and contributed to numerous international conferences/symposia/workshops.

She published extensively on design-for-testability, reliable, safe, secure and resilient circuits/systems, trustworthy AI, photovoltaic systems, emerging technologies.

Her research has been funded by government and industries, including Intel Corporation, STMicroelectronics, Alstom Transport, and the EU.

She is an IEEE Fellow.

Statement

I have been an active IEEE and Computer Society (CS) volunteer for nearly 30 years, serving in leadership positions such as 2022-2023 IEEE Director (Division V), 2019 CS President, Editor-in-Chief, General/Program Chair of highly renowned international conferences, and member of several IEEE key committees. My involvement has contributed to form a deep understanding and unique vision of the challenges and opportunities facing the IEEE, as reflected by my many successful activities.

If elected, I will continue and strengthen my current involvement in the IEEE to meet all members' needs, focusing on:

1. Satisfy the diverse needs of members worldwide;
2. Devise innovative organizational and fiscal models, to reduce membership dues' dependency while improving products and services;
3. Promote members' professional growth, by introducing innovative activities beyond all boundaries on timely technical directions;
4. Preserve technical distinction in all activities;
5. Experiment innovative and immersive meeting/communication media to facilitate interactions.

In conclusion, I will devote all my energy and expertise to ensure the successful fulfilment of IEEE towards its members and professional mission to new heights.

IEEE Accomplishments and Activities
(AF'96-A'99-A'01-M'03-SM'10-F'14)

MAJOR CONTRIBUTIONS
1. Technical Quality Boost: She co-chairs the "IEEE Metaverse" Future Directions' initiative. As Computer Society (CS) President, she initiated the CS Golden OA Journal's and the IEEE Transactions on AI's creation. As TETC Editor-in-Chief, she succeeded in increasing significantly IF.
2. Industry Engagement: As CS President, she maximized the number of VPs from industry, started the creation of the CS Industry Engagement Committee, fostered standards' foundation. As TETC EIC, she enhanced the EB's industrial participation.
3. Cooperation: She boosts cooperation among IEEE constituencies within all Committees she belongs to, including the IEEE AdHoc on Coordinating IEEE's Response to Digital Reality Technologies.
4. Financial Sustainability (FS): She focuses on FS, as member of the IEEE AdHoc on Innovating Funding Models. When President, the CS ended the year with a 545% reserves' increase for future growth.
5. Diversity & Inclusiveness (D&I): As CS President, she created Young Women conference participation grants, had prestigious awards entitled to women, started the IEEE CS Global Chapter Summit. As CS NomCom Chair, she maximized women nominations.
6. Innovation: As CS President, she investigated website's multi-language translation. As CN Editor-in-Chief, she launched content multi-language/audio versions.

SOME IEEE POSITIONS
- Director/Delegate Division V (2022-2023)
- Computer Society President (2019)
- "IEEE Metaverse" Future Directions Initiative Co-Chair (2023)
- European Public Policy Committee (2020-2023) - ICT WG Chair (2021-2022)
- Smart Village Governing Board (2020-present)
- Awards Committee (2022-present)
- Conferences Committee (2021-present)
- Diversity & Inclusion Committee (2022)
- Young Professionals Committee (2021-2022)
- TAB-Products and Services Committee (2020)
- Systems Council Advisory Committee (2020-2022)
- CEDA Board of Governors (2015-2017)
- CS Board of Governors (2013-2017)
- Editor-in-Chief: *TETC* (2018, 2020), *Computing Now* (2013-2016)
- Associate Editor-in-Chief: *TC* (2007-2012)
- International conferences/symposia/workshops' general/program chair/co-chair (18 times), vice-general/program chair/co-chair (6 times), technical program committee (100+ times), keynote/invited speaker/panelist (50+ times)
- IEEE Fellow
- CS Golden Core, two Meritorious Service Awards, eight Certificates of Appreciation, 2020 Spirit of the CS Award

METIN AKAY
(Nominated by IEEE Division X)

Founding Chair
John S Dunn Endowed Chair Professor
Houston, Texas, USA

Dr. Akay is the founding chair and JS Dunn Endowed Professor of the new Biomedical Engineering Department at the University of Houston. He was awarded with honoris causa by the Aalborg, the Silesian Technology and Pecs Universities. He authored over 20 books, 120 journals papers and 200 conference papers and abstracts. He delivered more than 100 keynote and plenary talks at the well-respected international conferences including ICASSP twice. Dr. Akay is a recipient of the IEEE EMBS Early Career and Service Award, an IEEE Third Millennium Medal and the prestigious Vladimir Kozma Zworykin Award by the IFMBE. In addition to IEEE, he is a fellow of the Institute of Physics (IOP), the International Academy of Medical and Biological Engineering (IAMBE), the American Institute of Medical Biological Engineering (AIMBE), and the American Association for the Advancement of Science (AAAS). His research focuses on neurotech for addiction, brain cancer chip and coronary occlusion.

Statement

I will be your voice on the IEEE Board of Directors and represent the Division X Societies on developing and implementing new initiatives beneficial to the needs of our members. My aims are to (1) increase public awareness about exciting innovative technologies for the advancement of human health and wellbeing by organizing forums in areas of climate, space and manufacturing that engage the passion of our students and academic, industrial, healthcare leaders; (2) promote global diversity by encouraging underrepresented leaders to engage in our conferences, publications, technical and membership activities; (3) encourage our industry professional members to assume leadership roles in our technical activities and conferences/workshops. (4) make our conferences more appealing by focusing on innovations, career growth/development while making attendance more affordable; (5) increase the visibility of IEEE, showcasing how engineering innovations have impacted humanity and fostered economic growth; (6) Expand Open Access to provide better service and visibility.

Together, we need to envision, lead and implement innovative and transformative solutions to solve challenges facing humanity through engineering/technology.

IEEE Accomplishments and Activities
(S'87-M'91-SM'93-F'09)

As Division X Director-Elect I am keen to work closely with our members, other directors, communities and the public to increase the awareness of engineering innovations and technical activities within IEEE. I see my role as motivating, inspiring, rewarding our members and mentoring the next generation of leaders.

I served as the President of the IEEE Engineering in Medicine and Biology (2021-2022), IEEE EMBS ADCOM since 1997, IEEE Press, *Proceedings of the IEEE*, *IEEE T-BME*, *JBHI* and several other IEEE journals, and on the Steering Committee of the FDC and IEEE Brain Technical Community.

Some of my achievements include:

Created and chaired the first Neural Engineering Conference sponsored by IEEE, NIH and NSF in 2003, which benefited the careers of many IEEE members, now distinguished professors and leaders in Neurotech companies.

Promoted engineering and healthcare innovations by editing 20 special issues including the Processing of the IEEE to highlight the fields of Neural Engineering, Biomedical Informatics.

Created and chaired several highly successful Public Forums for Public Engagement and Awareness, including (1) COVID-19 Health Care, (2) Data Science in Healthcare, (3) Healthcare Industry (medical devices, biopharma, biotechnology, life sciences, and neurotechnology) with 1000-3000 participants. More than half of the speakers were women/minority.

Led joint forums with international universities, including the first IEEE EMBS Forums with Tel-Aviv University in Israel (2022) and with NUS in Singapore (2023) on Data Science in Healthcare and Medicine. Launched IEEE EMBS Regional Conferences in China, Europe, Africa and South/Central America and Middle-East.

Launched the Annual IEEE EMBS summer school/academy on BIO-X in 2001, which has trained more than 550 students. More than half are woman and currently hold faculty positions in universities and/or leadership roles industry.

Supported to improve the impact factor for IEEE EMBS RBME and 12 IEEE EMBS Journals and Magazine.

OKYAY KAYNAK
(Nominated by IEEE Division X)

Professor Emeritus
Bogazici University
Istanbul, Turkey
www.okyaykaynak.com

Okyay Kaynak received the BSc (with first-class honors) and Ph.D. degrees in EEE from the University of Birmingham, U. K., in 1969 and 1972, respectively. From 1972 to 1979, he held various positions in industry, including 3.5 years in Saudi Arabia, working as a project engineer. In 1979, he joined Bogazici University, Istanbul, Turkey. Currently, he is an Emeritus Professor. He has held long-term Visiting Professor/Scholar positions at various institutions in Saudi Arabia, Japan, Germany, the USA, Singapore, and China. He has authored three books, edited five, and authored or co-authored more than 450 papers that have appeared in various journals, books, and conference proceedings (Hirsch-index: WoS 54, Google Scholar: 66). He has received several prestigious awards, such as the Humboldt Research Prize (2016), Doctor Honoris Causa, Obuda University, Hungary (2020), and the International Academy Award of Turkish Academy of Sciences (2020). He is a member of this academy.

Statement

During the last decade, we have been witnessing tremendous (and perhaps disruptive) advances in science, engineering, and technology, in the face of which, I will strive to:

- Contribute to the design, implementation, and deployment of new initiatives that will turn what may be considered as threats of today into opportunities.
- Help IEEE develop and implement new products and services to better serve its members and the public, especially in Asia-Pacific, and Africa.
- Promote an IEEE-wide strategy for increasing the involvement of industrial practitioners and researchers in IEEE in the form of a "Triple Helix of IEEE, Industry, and Academia Towards Knowledge Generation."
- Be an advocate of UNESCO's sustainable development goals in the actions of the IEEE Board.
- Encourage TAB Societies and Councils to promote more cooperation and foster collaboration to build future relationships and partnerships among them (e.g., joint special sections of their publications).
- Last but not least, listen to ideas and opinions from TAB Societies and Councils (especially from those of Division X), and evaluate and carry them to the General Assembly.

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

COMMITTEES/BOARDS:
- Member, IEEE TAB/Products and Services Committee (2022)
- Vice President (Organization & Planning), IEEE SMCS (2022)
- Member, IEEE Future Directions Committee (2019-2022)
- Member, BoG, IEEE SMCS (2016-2018, 2019-2021)
- Member, BoG, IEEE Control Systems Society (2019, appointed)
- Representative, IEEE IES to IEEE Systems Council (2019-2021)
- Member, IEEE TAB/Products and Services Committee (2017)
- Member, BoG, IEEE Education Society (2000-2002, 2014-2016)
- Chair, IEEE MGA VC (Strategic Planning and Analysis) (2012)
- Chair, IEEE MGA Strategic Directions & Environmental Analysis Committee (2011)
- Chair, IEEE MGA Ad Hoc Conferences Committee (2011)

SECTIONS/CHAPTERS:
- Chair, Turkey Section (2011-2012).
- Founding chairperson of SMCS (2011), ES (2005), CIS (2003) and IES/RAS (1994) Chapters, Turkey.

PUBLICATIONS:
- Has served as Editor-in-Chief of 3 (*TMECH, TIE, and TII*) and AE of several IEEE journals. Presently he serves as the Founding Editor-in-Chief of *T-ICPS* (*IEEE Transactions on Industrial Cyber-Physical Systems*) and on the Editorial Board of *IEEE Access* 2019-present.

CONFERENCES:
- Has served as the chair of numerous international IEEE meetings.

AWARDS:
- IEEE/IES Dr.-Ing. Eugene Mittelman Achievement Award (2011)
- IEEE/SMCS Outstanding Contribution Award (2011)
- IEEE/IES Anthony J. Hornfeck Service Award (2005)
- IEEE Third Millennium Medal (2000)

MAJOR ACCOMPLISHMENTS:
- When I was the MGA VC SPA, we established a strategic plan for a better, stronger, and wider member engagement. Although Japan was chosen as the pilot country, the plan was designed as a transportable one.
- I was the leading person in the group who conceived, designed, developed, and brought to life 3 major interdisciplinary IEEE publications, namely, *IEEE/ASME Transactions on Mechatronic*s (1966), *IEEE Transactions on Industrial Informatics* (2005), and *IEEE Transactions on Industrial Cyber-Physical Systems* (2022). This accomplishment has required strong written and oral communication skills and organizational abilities.
- The above publications were created due to the new technology directions defined by the committee that I led in IES when I was the President.

RAVINDER S. DAHIYA
(Nominated by IEEE Division X)

Professor
Department of Electrical and Computer Engineering
Northeastern University
Boston, Massachusetts, USA
www.rsdahiya.com

Ravinder Dahiya is Professor in the Department of Electrical and Computer Engineering at Northeastern University. His multidisciplinary research group (Bendable Electronics and Sustainable Technologies (BEST) group) focusses on flexible/printed electronics, electronic/tactile skin, and their application in robotics, wearables and interactive systems. He has authored or co-authored about 500 publications, books and submitted/granted patents and disclosures. He has led or contributed to many international projects. Prof. Dahiya is President of IEEE Sensors Council. He is the Founding Editor-in-Chief of *IEEE Journal on Flexible Electronics* (*J-FLEX*) and also the founder of IEEE International Conference on Flexible Printable Sensors and Systems (FLEPS). Prof. Dahiya has received several awards, including Technical Achievement award from IEEE Sensors Council, Young Investigator Award from Elsevier, Marie Curie Fellowship, Monbusho Fellowship, and 12 best journal/conference paper awards as author/co-author. He is the Fellow of IEEE and the Royal Society of Edinburgh.

Statement

As Division X Director I will work with the IEEE Board of Directors and Division X Societies and Councils to:

- Improve the synergy between Division X's Societies and Councils, by keeping active communication channels and assisting them to explore joint publications, conferences and standards.

- Enhance the membership value by identifying the needs of members from different regions, age groups, career objectives, and sectors.

- Boost the Sections/Chapters/Joint Chapter and assist them in local technical activities driven by Societies/Councils.

- Help IEEE become the leader in providing sustainable solutions to global challenges such as climate change, health, food, and hunger. Division X Societies/Councils are ideally placed to address these global challenges.

- Help Division X Societies/Councils to continue to expand Open Access publications while supporting the traditional publishing models.

- Strengthen industry linkages and industry membership base by exploring ways to provide reliable technological information for skill upgradation of industry professionals.

IEEE Accomplishments and Activities
(S'07-GSM'08-M'09-SM'12-F'20)

Major Contributions:
- Founded and launched the *IEEE Journal on Flexible Electronics* (joint publication of IEEE Sensors Council, IEEE Electron Device Society and IEEE Circuits and Systems Society).

- Founded and launched the IEEE International Conference on Flexible Printable Sensors and Systems (FLEPS).

- As part of the IEEE initiative on climate change, Prof. Dahiya is leading the task force on 'Sustainable Technologies'.

- Founding Chair, IEEE United Kingdom, and Ireland Section Chapter of IEEE Sensors Council.

Select IEEE Positions:
- President, IEEE Sensors Council (2022-2023)
- General Co-Chair, IEEE Sensors Conference (2023)
- Workshop and Tutorials Co-Chair, IEEE International Conference on Robotics and Automation (ICRA) 2023
- Founding Editor-in-Chief, *IEEE Journal on Flexible Electronics* (*J-FLEX*) (2021-2022)
- General Chair, IEEE International Conference on Flexible Printable Sensors and Systems (2019, 2020, 2021)
- Distinguished Lecturer, IEEE Sensors Council (2016-2021)
- Member-at-Large, IEEE Sensors Council (2018-2019)
- General Co-Chair, IEEE ICECS – 26 IEEE International Conference on Electronics Circuits and Systems (2019)
- Founding Chair, IEEE United Kingdom, and Ireland Section Chapter of IEEE Sensor Council (2015-2018)
- IEEE-RAS (Robotics & Automation Society) representative to AdCom of IEEE Sensors Council (2014-2017)
- Technical Program Co-Chair, IEEE Sensors Conference (2017, 2018)
- General Chair, IEEE PRIME 2015
- Associate Editor, *IEEE Sensors Journal* (Term: 2012-2020)
- Associate Editor, *IEEE Transactions on Robotics* (Term: 2012-2017)
- Guest editor of 12 Special Journal Issues in IEEE journals such as *Proceedings of the IEEE*, *IEEE Sensors Journal*, *IEEE Transactions on Robotics*, and *IEEE Internet of Things Journals*

CHARLES P. RUBENSTEIN, PhD, CEng
(Nominated by IEEE Region 1)

Professor of Engineering and Information Science
Pratt Institute
Brooklyn, New York, USA
www.CharlesRubenstein.com

Charles Rubenstein, a tenured professor of engineering and information sciences at Pratt Institute in New York, has been a visiting professor at Farmingdale State College. He has an earned doctorate in bioengineering (Polytechnic Institute of NY) and a master's in library and information science (Pratt Institute).

An internationally known distinguished lecturer for IEEE's S-PAC program and Engineering Management and Computer Societies, he has delivered workshops and tutorials world-wide covering Android Application Design, IEEE Leadership Skills, HTML and eCommerce, wireless technology, and "Scalability of IEEE Membership."

Region 1 Director 2010-2011, he continues to have leadership roles in Region and conference executive committees. He is currently the Joint Region 1/Region 2 Strategic Planning Committee Chair whose responsibility it is to oversee the merger of Region 1 and Region 2 into a single Region, as well as being R1 Conferences Coordinator managing numerous co-sponsored conferences – some that he created and chairs.

Statement

I believe empowering IEEE member, section, and student branch activities is critical, and that the merger of Regions 1 and 2, effective January 2028, presents us an exciting opportunity for growth and development.

As a senior leader in Region 1, I have for more than a decade been actively involved in cross-region collaboration making invited presentations at Region 2 meetings, organizing joint Student Conferences and co-creating the joint R1/R2 WIE Forum USA East. The Long Island Systems, Applications, and Technology (LISAT) Conference - celebrating 17 years of service to local members - is a model for one-day IEEE chapter conferences.

My strong relationship with members and leaders in both regions have made me the ideal Chair of the Joint Region 1/Region 2 Strategic Planning Committee which is overseeing our merger. I am confident this merger will benefit all of our members, and that I am the best candidate to serve as

Director during this critical transition period that will create a new region model to support our sections and members for years to come.

IEEE Accomplishments and Activities
(S'66-M'69-S'71-M'80-SM'82-LS'13)

Throughout more than 30 years of dedicated IEEE volunteer leadership, I have planned and executed numerous successful activities. My commitment to action and follow-through earned me several prestigious IEEE recognitions, including the Robert S. Walleigh Distinguished Professionalism Award, IEEE-USA Citation of Honor, Third Millennium Medal, Centennial Outstanding Young Engineer Medal, and Regional Activities Board Innovation Award.

Some of my notable accomplishments include creating the Long Island Systems, Applications, and Technology (LISAT) Conference – in its seventeenth year, and serving as its General Chair - creating and coordinating the IEEE Booth at World Maker Faire New York (a joint effort by Region 1, IEEE-USA, and EAB) from 2012 to 2017; serving as treasurer for several IEEE conferences, including the IEEE ETHICS Symposium, the IEEE Wireless in Space and Extreme Environments (WISEE) Conference, the IEEE-USA Young Professional's Future Leaders Forum, and the Joint R1/R2 Women in Engineering USA Forum East - now in its seventh year.

The upcoming Region 1 and Region 2 merger must continue to position our members as technology catalysts to create a more globally impactful IEEE.

IEEE's future success requires maintaining IEEE-USA's presence in Washington, D.C.; empowering our students, young professionals, Women in Engineering, and Life Members; providing leadership training and opportunities to all our members; and increasing IEEE's global name recognition.

JASON K. HUI, Ph.D., PMP
(Nominated by IEEE Region 1)

Senior Manager of Engineering
Textron Systems
Bedford, New Hampshire, USA

Jason Hui is Senior Manager of Engineering for Strategic Systems at Textron Systems. He has 20+ years of professional experience in the aerospace and defense industry as a systems engineer, systems engineering manager, and program engineering manager. His technical interests are in systems engineering of aerospace and electronic systems, and engineering and technology management. He received his B.S. and M.S. degrees in Electrical Engineering, and his Ph.D. degree in Mechanical Engineering, all from UCLA. He also received his M.S. degree in Systems Engineering from Johns Hopkins University. Jason is an IEEE Senior Member with a long history of diverse IEEE volunteer service. He is also an AIAA Associate Fellow and certified Project Management Professional. He is the recipient of several awards including the IEEE New Hampshire Section Outstanding Young Engineer of the Year Award, the AIAA Sustained Service Award, and the PMI New Hampshire Chapter Individual of the Year Award.

Statement

Region 1 has been my IEEE geographic home for nearly 20 years. During this time, I've been fortunate to work with many dedicated members and volunteers. My interest in serving as Region 1 Delegate-Elect/Director-Elect stems from my desire to give back to my profession and the technical and local communities that support it. The main priorities that I plan to focus on during my term are:

a) Support the planning and activities associated with the merger of Regions 1 and 2. A realignment of this magnitude requires strong leadership experience with the know-how in working with various IEEE stakeholders. My volunteer record exemplifies that.

b) Promote increased collaboration and partnerships with IEEE communities to further the member experience within the region. This means embracing diversity, equity & inclusion, breaking down silos, and working together to foster innovative solutions and opportunities.

c) Increase the region's commitment and investment on humanitarian initiatives and service activities. Our members are equipped with problem-solving skills to make a positive impact in their communities.

I ask for your consideration and vote.

IEEE Accomplishments and Activities
(S'96-M'02-SM'07)

I have extensive volunteer experience across IEEE and contributed to many activities that facilitated member growth and engagement.

COMMITTEES/BOARDS:
- MGA Vice Chair-Member Development, 2024
- IEEE Recognitions Council Chair, 2024
- IEEE-HKN *THE BRIDGE Magazine* Editor-in-Chief, 2023
- TAB/EAB Ad Hoc Committee on Continuing Education Development, 2022-present
- MGA Liaison to IEEE-USA Awards and Recognition Committee, 2022-present
- MGA Awards and Recognition Committee Past Chair, 2022-present
- IEEE-USA Awards and Recognition Committee Chair, 2021-present
- IEEE Awards Board Policy and Portfolio Review Committee Member, 2020-present
- IEEE Awards Board Member, 2020-present
- EAB Continuing Education Committee Member, 2020-present
- EAB Educational Products Editorial Committee Chair, 2020-present
- IEEE-HKN Regions 1-2 Governor, 2020-2022
- IEEE-HKN Public Relations and Communications Committee Co-Chair, 2020-2021
- MGA Member Engagement and Life Cycle Committee Member, 2020-2021
- MGA Awards and Recognition Committee Chair, 2020-2021
- IEEE Spectrum Editorial Advisory Board Member, 2019-present
- IEEE-HKN Strategic Planning Committee, 2019
- IEEE Tellers Committee Member, 2019-2021
- IEEE History Committee Member, 2017-2020
- IEEE History Committee Milestones Subcommittee Chair, 2018-2020
- EAB Educational Products Editorial Committee Member, 2017-2019
- EAB Committee on Global Accreditation Activities Member, 2017-2019
- IEEE-USA Awards and Recognition Committee Member, 2016-2020
- MGA Awards and Recognition Committee Member, 2016-2017, 2019
- IEEE Awards Board Presentation and Publicity Committee Member, 2015-2017
- MGA Admission and Advancement Committee Member, 2013

REGION:
- Region 1 Awards and Recognition Committee Chair, 2016-present
- Region 1 Northeastern Area Chair, 2014-2015

SECTIONS:
- Historical Milestones Chair, New Hampshire Section, 2023
- Past Chair, New Hampshire Section, 2014-2015
- Nominations Chair, New Hampshire Section, 2014-2015
- Historical Landmarks Chair, New Hampshire Section, 2013-2015
- Chair, New Hampshire Section, 2012-2013
- Treasurer, New Hampshire Section, 2010-2011
- Membership Development Chair, New Hampshire Section, 2009-2015
- Treasurer, Coastal Los Angeles Section, 2004

SOCIETY:
- IEEE Technology and Engineering Management Society Member-at-Large, 2019-2020
- *IEEE Engineering Management Review* Associate Editor, 2017-present

CONFERENCES:
- IEEE TEMSCON Program Co-Chair, 2018-2019
- IEEE Region 1 Student Conference, 2012-2018

OTHER:
- ABET Electrical Engineering Program Evaluator, 2014-present

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 Electrical and Computer Engineering. His research includes wireless sensing for aerospace and biomedical applications resulting in 60 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 120 journals and conference publications including 6 books and 2 awarded patents with over 47000 downloads. He received a number of awards and recognitions from NSERC, JSPS, CSA, IEEE, and NASA.

Statement

I had a balanced career in industry and academia, serving IEEE for 25 years at regional and technical capacities. I am honored to get this opportunity to put my experience to use in moving IEEE forward to a new era. The future of our profession is undergoing significant changes as cyber security, artificial intelligence, and online collaboration become mainstream. 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 humanity around the globe. IEEE members can lead the world, making it a better place to live, communicate and thrive. I strive to make a global impact while keeping local activities relevant to the local industry. My focus will be on members in industry, academia, and government, in a fair and equal manner no matter where they are coming from and what their field of interest.

IEEE Accomplishments and Activities
(S'98-M'04-SM'07)

Accomplishments:

- Founded a society chapter, built succession, and sustained the local activities

in the past 18 years with the latest events (IEEE UM AI webinars) attracting 4500+ registrations in 3 years;

- Founded IEEE International Conference on Wireless for Space and Extreme Environments (2013); grew it to 200+ attendees with participation from international space agencies and notable aerospace companies, while generating surplus in the past 10 years;

- 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 2006, 2015; Vice-Chair 2007, 2016; Chair 2008; HKN Faculty Advisor 2018-2023; Student Activities Chair, 2023.

Regional: R1 Professional Activities Committee for Engineers (PACE) Chair 2014-2015; Chapters Coordinator 2009-2011, 2018-2019; Board of Governors 2008-2011, 2018-2020; Executive Committee 2014-2015, 2020-2021; Northeast Area Chair 2020-2021; Student Conference Chair 2006; Paper Contest Chair 2012, 2017, 2018, 2023; Conference Committee Vice Chair, 2022-2023.

MGA: Committees: Geo Unit Operations Support 2014-2015; Center for Leadership Excellence 2012-2013; Volunteer Leadership Training (VOLT) Pilot 2013; Member Benefits 2012; AdHoc Conferences Committee 2012.

Technical: Founding Chair Maine Communications/Computer Societies Joint Chapter 2005-2007, 2013-2015; Vice-Chair 2010-2011; Treasurer/Webmaster 2005-2018; IEEE Communications Society, North American Region Board Member 2014-2016; IEEE Council on RFID VP of Conference, 2022-2023.

Conferences: 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'14-21; TPC member of numerous IEEE conferences.

Journals: Associate Editor: *IEEE RFID Journal* (2016-Present); *IEEE/KICS Journal of Communications and Networks* (2013-Present). Guest Editor: *IEEE Sensors Journal Special Issue* (2013-2014); Guest Editor-in-Chief *JCN Special Issue on Cognitive Networking* (2013-2014).

SONYA L. DILLARD
(Nominated by IEEE Region 3)

Safety Engineer
Safety & Mission Assurance
Planetary Protection and Orbital Debris Discipline Team Lead
NASA / Marshall Space Flight Center
Huntsville, Alabama, USA

Employed by NASA for 33 years, Sonya Dillard is an ambassador for both Space and the IEEE. Dillard holds a BS in Electrical Engineering from Michigan State University and an MS in Project Management at Florida Institute of Technology.

Dillard currently supports the Human Landing System (HLS), aboard the Space Launch System (SLS) Artemis Missions, which will launch the first woman and the first person of color to the moon. As the Planetary Protection and Orbital Debris Discipline Team Lead for NASA/MSFC, she helps to ensure that safety requirements are valid, verified and give strict limitations on contamination.

Dillard has received Distinguished Performance, along with the Teamwork Award, NASA Silver Achievement Medal, NASA Silver Snoopy Award, and IEEE awards for Outstanding Engineer (2008), and Outstanding Service (2001, 2015 and 2022). Dillard has continuously supported community with space awareness and STEM student pipeline by hosting engineering events and encouraging IEEE membership.

Statement

I am humbled and honored to be considered for the position of Region 3 Director-Elect. Throughout my 29 years of IEEE experience, I learned to focus on "Member Engagement and Life Member support."

IEEE's structure is focused on individual membership. I will focus on Member Engagement as a goal for Region 3. Our members can engage within Sections implementing micro tasks, attending plant tours, virtual collaborations, STEM Events, joint technical meetings, social activities, and other hybrid events. Expanding our digital footprint by posting activities photos/articles to increase member engagement. This will re-invigorate and bring the "buzz" back to the IEEE that decreased during the pandemic.

Life Members are also a pillar of the IEEE. I plan to work long and hard to achieve this elite member status. Pairing Young Professionals with Life Members to build relationships while gathering historical data by interviews is an awesome idea to preserve the wealth of information and keep our Life Members "young at heart". Life Member data can be used for awards, activities, and the IEEE History Center.

IEEE Accomplishments and Activities
(M'95-SM'13)

IEEE Huntsville Section:
- 1997 Section ExCom (Continuous Leadership for 25 years)
- 2017-2018 Section Past Chair
- 2003-2004, 2015-2016 Section Chair
- 2001-2002, 2013-2014 Section Vice Chair
- 1997-2000 Secretary (2 terms)
- 2019 IEEE Huntsville Section 50th Anniversary Celebration – Planning Committee
- 2014 IEEE Huntsville Section 45th Anniversary Celebration – Coordinated Dinner Cruise Event
- 2014 IEEE EWeek Banquet – Hosted by Huntsville Section, Planning Committee
- 2013 IEEE PACE Chair for the Huntsville Section (Served 5 years)
- 2019 History Committee – IEEE Huntsville Section Milestone Commemoration
- 2000 IEEE Computer Fair – Planning and Implementation Committee, hosted in Huntsville
- 2022 EWeek Virtual Awards Chair, Sponsored by IEEE Huntsville Section

Other IEEE Activities:
- 1999 IEEE GOLD Chair Petitioned/Approved for Graduates of the Last Decade in Huntsville
- 2004 IEEE Engineering Management Society (EMS) Chapter Chair – Petitioned/Awarded Approval for EMS Society
- 2015 IEEE Life Member Affinity Group – Petitioned/Awarded Approval for LMAG Huntsville Section
- 2018, 2021 IEEE Senior Member Round-Up as Member Development Rep. (2 years)
- 2019 IEEE Eta Kappa Nu – Eta Chapter
- 2019 EAB Region 3 Representative (Served 2 years)
- 2019 WIE Affinity Group – Petitioned/Approved for WIE Chapter in Huntsville Section
- 2020 Region 3 Member Communications Committee Chair (until present)

Conferences:
- 2003 IEEE RadarCon – Planning Committee, hosted in Huntsville
- 2019 SoutheastCon Logistics Chair, hosted in Huntsville

Awards/Recognitions:
- 2001 IEEE Outstanding Service Award – Huntsville Section
- 2008 IEEE Outstanding Engineer – Huntsville Section
- 2015 IEEE Outstanding Service Award – Huntsville Section

Key Accomplishments:
- Hosted Alabama Regional Future City Competition for 22 years as Alabama Regional Coordinator (2001 to present)
- Petitioned for GOLD (1999, now YP), EMS (2004, now TEMS), Life Member (2015, now LMAG), and WIE (2019). All still active today.
- Successfully hosted 2019 Historic Milestone Commemoration as Logistics Chair for "Discovery of Superconductivity, 1987" (30 years recognition of deserving engineers)
- Successfully hosted 2019 IEEE SoutheastCon as the Logistics Chair in Huntsville (largest R3 conference)

JOHN PATRICK "PAT" DONOHOE, Ph.D., P.E.
(Nominated by IEEE Region 3)

Professor Emeritus of Electrical and Computer
  Engineering
Mississippi State University
Starkville, Mississippi, USA

J. Patrick 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 is Professor Emeritus of Electrical and Computer Engineering at MSU where he retired with the title of Professor and Paul B. Jacob Chair. His primary research interests include computational electromagnetics and radar. Dr. Donohoe served as principal or co-principal investigator on 68 sponsored research projects with a total funding of $37M 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, having served as chair of the Electrical and Computer Engineering Exam Committee.

Statement

My overarching goal as Region 3 Director would be to establish effective member engagement and development across the Region, accounting for the diverse membership 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.

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 44 years of IEEE membership span time as a student and 35 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.

CHRISTOPHER B. SANDERSON, SMIEEE
(Nominated by IEEE Region 5)

Consultant
Houston, Texas, USA
https://christophersanderson.com

Christopher has a distinguished career spanning over 30 years in the electrical industry. He is a proud alumnus of Prairie View A&M University with a bachelor's degree in mechanical engineering. While in the military, he received a commission as an officer in the US Army Air Defense Artillery Core, where he attained both enlisted and officer ranks and earned multiple honorable tours of duty.

Christopher held pivotal roles increasing customer engagement service and sales along with community impact in various Fortune 500 corporations, including Schneider Electric, GE, SIEMENS, ABB, and EATON. His business acumen has earned him multiple community service chairman awards, among them the Alliance Award, Gerald Phillippe Award, and Hilltopper Award.

In IEEE, Christopher's contributions have amplified membership engagement initiatives including Young Professionals and STEM and resulted in several R5 recognition awards, including the Jim Leonard Award, the R5 Directors Outstanding Service Award, and the IEEE-USA John Meredith Award.

Statement

As R5 Director-Elect, I want to leverage my leadership and collaboration experiences to promote innovation, increase impact and awareness, and advance technology for the benefit of all communities. My IEEE focus areas include: effective communication with ALL members including Life Members and Young Professionals, enhancing membership engagement and value, forging partnerships to address pressing issues such as involving youth in STEM activities, and creating a safe, supportive environment for diverse member engagement. Specifically, Region 5 leaders can reach Section leadership through effective virtual meetings to share best practices from other sections and regions. My suggestion is to invite IEEE members to attend the virtual meetings as their schedules permit. We must recognize and reward academic and industrial members alike. I will share effective strategies and processes to strive to achieve senior and fellow membership status in our Region. Let us leverage our diversity of experience to make IEEE and Region 5 the top choice for technical professionals. I humbly request your vote for R5 Director-Elect. Thank you for considering my candidacy.

IEEE Accomplishments and Activities
(M'14-SM'16)

In IEEE, Christopher has been a tireless advocate for all IEEE members including Student Members, Members, Senior Members, Life Members, and Fellows in learning and sharing best practices. He is energetic in sharing his knowledge and experience in IEEE Standards with college students and professionals in the field. He is a leader in learning systems and sharing to benefit all IEEE members throughout the world.

Christopher received the 2018 IEEE Region 5 Jim Leonard Outstanding Member Award for his outstanding service to the Section, Region, and IEEE-USA. He was also the recipient of the 2020 IEEE Region 5 Director's Award for Outstanding Service for his leadership efforts. During the COVID-19 pandemic, he learned and adapted the IEEE virtual meeting systems so Sections could co-host meetings anywhere in the world. He led membership engagement with significant results across Regions and the IEEE EAB awarded the 2020 Section Professional Development Award to the Houston Section. He is well respected for his technical expertise in the Renewable Energy industry, and has received multiple Speaker Appreciation Awards from IEEE from 2016-2022. Christopher's exceptional service to the IEEE-USA membership was also recognized with the 2020 IEEE-USA John Meredith Professional Service Award. This national award is given to selected awardees who have delivered exceptional volunteer service and contribution to IEEE-USA membership. It was even more special because John Meredith was a friend and mentor for many years to him, Region 5, and IEEE at large.

Since 2018 he has been an IEEE VoLT (Volunteer Leadership Training) mentor and has been an IEEE TryEngineering guest speaker, mentor, and sponsor to future STEM innovators.

KENNETH B. RICE
(Nominated by IEEE Region 5)

President
Brooks Consulting
Austin, Texas, USA

Rice is the president of Brooks Consulting, in Austin, Texas, which provides design services for the semiconductor industry. He has more than 40 years of experience in the semiconductor industry and has been an independent consultant for 20 years.

Before starting Brooks Consulting, he held senior leadership positions at Motorola, Cadence Design, Synopsys, AMD, Mentor Graphics and IBM. He has managed multiple projects simultaneously while raising 3 children on his own.

Prior to his work in the semiconductor industry, he worked for Ford Aerospace in the NASA Mission Control Center. He worked in Mission Control for the first 7 Space Shuttle missions.

Rice has been an IEEE Senior Member since 2008. He is active in the IEEE Central Texas Section, where he has held several leadership positions including being the Chair for 4 years.

Statement

If elected to the serve the 6-year commitment as the Region 5 Director, I would perform all the duties of the position, as well as focus on these areas:

- Engage and inspire the next generation of IEEE members through STEM programs.
- Reengage the lost generation of IEEE members.
- Encourage Life members to be mentors for university student branches and secondary school.
- Continue the initiatives that the previous Director has started.
- Be open to the needs and ideas of the members I serve.

IEEE Accomplishments and Activities
(A'94-AS'01-M'08-SM'08)

Region 5:
- 2016-2017 – Vitality Coordinator

- 2017-2018 – Humanitarian Coordinator
- 2018 – Chair of the Region 5 Annual Meeting and Student Competitions
- 2019 – Webmaster
- 2020-Present – Conference Coordinator

Central Texas Section:

- 2005-2006 – Consultants Network Treasurer
- 2007 – Consultants Network Chair
- 2008-2011 – Section Treasurer
- 2012-2015 – Section Chair
- 2014-Present – vTools Coordinator
- 2016-2018 – Section Nominations and Appointments Chair

IEEE Conferences:

- 2007 – Chair of the IEEE and Austin Chamber of Commerce 1st Annual Brain Party
- 2008 – Chair of the IEEE and Austin Chamber of Commerce 2nd Annual Brain Party
- 2009 IEEE 125th Anniversary Celebration – Chairman of the celebration event held in Austin (one of three IEEE locations)
  - Social and networking activities, speakers, and career fair
- 2009 – Chair of the IEEE and Austin Chamber of Commerce 3rd Annual Brain Party
- 2010 – Chair of the IEEE and Austin Chamber of Commerce 4th Annual Brain Party
- 2011 – Local Chair IEEE-USA Annual Meeting in Austin Texas
- 2011 IEEE Sections Congress – Section Delegate
- 2011 – Chair of the IEEE and Austin Chamber of Commerce 5th Annual Brain Party
- 2013 50th ACM/IEEE Design Automation Conference (DAC) – Local Committee Chair
- 2013 IEEE Symposium on Product Compliance Engineering (ISPCE) – Organizing Committee Member
- 2014 IEEE Section Congress – Speaker
- 2014 IEEE Global Communications Conference (GLOBECOM) – Co-Treasurer
- 2016 53rd ACM/IEEE Design Automation Conference (DAC) – Local Committee Chair
- 2017 54th ACM/IEEE Design Automation Conference (DAC) – Local Committee Chair
- 2018 – Chair of the IEEE Region 5 Annual Meeting and Student Competitions
- 2018 – Arrangements Coordinator for IEEE Green Technologies Conference (GreenTech)

MICHAEL G. LAMOUREUX
(Nominated by IEEE Region 7)

Independent Consultant and Technology Analyst
Halifax, Nova Scotia, Canada
https://www.linkedin.com/in/sourcingdoctor/

Michael Lamoureux is currently serving as Secretary of Region 7 (Canada) and is an independent consultant, technology analyst (who most recently served as Spend Matters Consulting Lead Analyst for six years), and advisor who is primarily focused on Strategic Procurement Technologies and other advanced technology applications for the supply chain. An expert in algorithms, analytics, optimization, machine learning and AI applications, he focusses on the evaluation of industrial applications for buying companies.

Before he was Spend Matters Consulting Lead Analyst, he ran Sourcing Innovation, one of only two blogs that covered the Sourcing and Procurement Fin-Tech sub-space since 2006. He has served as Chief Architect, Chief Research Scientist, and CTO in various IT start-ups and small companies in addition to his regular technology advising through ToP KaTS Consulting, a company he founded in 1999. He holds a PhD in Computer Science and has also been a Lecturer and Assistant Professor.

Statement

Consistency and Sustainability.

A candidate is expected to present a grand vision, but let's be realistic – a Director only has two years, Region 7 already has more offerings than most members realize, and the pandemic caused member loss and volunteer burnout. This is not the time to change focus every two years.

A strategic plan takes (at least) five years to reach fruition – if elected, I will continue the pursuit of the strategic plan created by the current Director (and Elect) which focusses on 1) volunteer upskilling, 2) more networking and collaboration opportunities, 3) volunteer promotion (and awards expansion or restructuring), 4) improvement of the IEEE Canada value message, and 5) technology for humanity in Canada. The only addition I will make is 4b) supporting the IEEE Standards expansion in Canada and more support for PAGSE and policy.

In addition, as Elect, I will work with the Director to push MGA to maintain easily-accessible and up-to-date volunteer training not just for key officer roles, but everyone who needs position-appropriate organization and project management and leadership skills.

IEEE Accomplishments and Activities
(S'95-M'99-SM'09)

SELECT MAJOR IEEE ACCOMPLISHMENTS
Member and Geographic Activities (MGA):
- Helped lay the groundwork for the MGA committee series which started the year I was MGA IT Coordination and Oversight Committee (ITCO) Past Chair

(where MGA Geographic Unit Operations Support Committee (GUOS), ITCO, and Member Development all met in the same location to allow for sharing of ideas and alignment of goals and needs, key for ensuring that Information Management was prepared for the new initiatives that GUOS / Member Development planned to launch)
- Helped (re)design multiple existing vTools, including expanded use of voting for motions
- Improved the vitality cross-section/meta-analysis process on GUOS (for section/region comparisons)

Region 7 (Canada):
- Worked with multiple directors to restructure committees and operations, including leading the by-law and operations manual rewrite process when necessary

CCECE 2015:
- One of the Region's most profitable conferences of the 2010s with a 35% surplus as Finance Chair

CAS:
- First Canadian small section to win the MGA small section award when I was Section Chair

OTHER:
- Contributor to IEEE Planet Positive 2030 Initiative

ACTIVITIES
MGA:
- 2015-2016 MGA IT Coordination and Oversight Committee (ITCO)
- 2016-2018 MGA vTools Committee
- 2018-2018 MGA ITCO Chair
- 2019-2020 MGA ITCO Past Chair
- 2020-2021 MGA Geographic Unit Operations Support Committee (GUOS & GUOS Representative to ITCO)

REGION 7:
- 2012-2014 Chapters Chair
- 2013-2014 Vitality Coordinator
- 2012-2014 External Relations Group Chair
- 2017-2019 Professional Relations Chair
- 2019-2020 External Relations Group Chair
- 2021-2023 IEEE Canada Secretary

CONFERENCES:
- 2015 CCECE Finance Chair
- 2022 CCECE Finance Chair
- 2024 OCEANS Finance Chair

COMMUNICATIONS SOCIETY:
- 1998-2000 Canadian Atlantic Section ComSoc Chapter Chair

COMPUTATIONAL INTELLIGENCE SOCIETY:
- 2013-2013 CIS Chapter Chair
- 2014-2014 CIS Vice Chair

CANADIAN ATLANTIC SECTION:
- 2007-2008 Vice Chair
- 2009-2010 Chair
- 2011-2011 Past Chair
- 2012-2012 Treasurer

WAHAB ALMUHTADI
(Nominated by IEEE Region 7)

Professor
Algonquin College
Ottawa, Ontario, Canada
wahab-almuhtadi.com

Dr. Almuhtadi has over 32 years industry experience, concurrently over 26 years university teaching experience. He's Professor/Coordinator of "Optical Systems and Sensors" Program, Algonquin College/Carleton University, Canada. He's Research Council Member, Digital Research Alliance of Canada. Previously, he was Senior System Engineer at Nortel, Optical Solutions R&D. With his professional background, he demonstrated outstanding leadership establishing Applied Research with $10.5M fund that fostered Algonquin College to become Polytechnic Institution. He founded $6M cutting-edge Optophotonics Lab/Optical-Communications-Network 200Gbps, only lab of its kind in any educational institute. He's one of the founders of $65M "Centre of Excellence in Next Generation Networks-CENGN". He published several technical papers and books. He received several awards from IEEE, academia, and industry, e.g., 2010 IEEE Leadership Award, 2015 IEEE Canada W.R. Service Award, 2009 Laurent Isabelle Teaching Excellence, 2006 NISOD Award, and 2015 Canadian Pacific Railway Engineering Medal, Engineering Institute of Canada-EIC. He's P.Eng., and EIC Fellow.

Statement

IEEE Canada continues to face critical challenges. Over 29 years, I've been actively serving IEEE members with dedication and proven record of accomplishments. I held various leadership positions at all IEEE levels that allowed me to participate and fully understand IEEE's structure and challenges. I will strive my best to:

- Ensure IEEE Canada's long-term success, and help members thrive by providing more resources and services.
- Increase IEEE Canada's prominence and visibility within industry/academia/government to enable professionals to advance technology for benefitting humanity.
- Increase technical activities' responsiveness to the needs of rapidly changing industry.
- Improve publications, conferences and Standards as high-quality products to curate innovation, attract worldwide participation, increase membership, and improve revenue.
- Build profound interaction between IEEE Canada Board and its Areas, Sections, Chapters, Young Professionals, Women in Engineering, Student Branches, and IEEE Canadian Foundation.
- Support diversity, equity and inclusion.
- Provide leadership to achieve IEEE's vision, mission, goals, strategies, plans, budgets, and reinforce IEEE global leadership.
- Raise IEEE BoD's and MGA's attention to any matters regarding IEEE Canada activities/concerns, and recommendations by IEEE Canada Board.

IEEE Accomplishments and Activities
(M'95-SM'05)

Major Contributions:
- As IEEE Consumer Technology Society (CTSoc) President (2019-2022), moved CTSoc to new excellence level (establishing 15 new technical committees, publications, restructuring conferences, increasing budget from $0.5M deficit to $1M/year surplus, engaging industry/Standards, establishing new Society name, logo, field of interest, etc.)
- Brought IEEE Section Congress to Canada/Ottawa
- Restructured IEEE Canada conferences and publications
- Engaged IEEE Canada/IEEE with Tourism/Destination Canada
- Received, as Ottawa Section Chair: 2008 Exemplary Large Section Award for "Ottawa Section Leadership, Management and Administration"
- Chaired/organized 35+ international conferences including flagship ICC2012, ICC2021
- Accelerated, as ComSoc North America Director/BoG Member (2018-2019), activities of 93 chapters; keeping retention; increasing membership
- Received, as ComSoc/CTSoc/BTS Ottawa Chapter Chair, Chapter of Year Award: ComSoc 2010, 2019; CTSoc 2022; Chapter Achievement Award: ComSoc 2010, 2016, 2019
- One of the founders: IEEE Canada EPS/EPEC conference; IEEE Center for Leadership Excellence (CLE)

IEEE/Boards/Committees:
- 2019-2022 Technical Activities Board
- 2019-2022 Division IV Board
- 2022-present Executive, Public Safety Technology
- 2023-2024 Chair, Masaru Ibuka Consumer Technology Award Committee
- 2022-present Service Awards Committee
- 2022 Conference Publications Committee
- 2013-2016 R7 Representative, IEEE MCE
- 2015-2016 Gaining Global Perspectives Ad-Hoc
- 2015 Conference Finances and Financial Tools Ad-Hoc
- 2013-2014 Center for Leadership Excellence Committee
- 2009-2011 Member-at-Large, Information Management

CTSoc:
- 2019-2022 President
- 2019-2022, 2014-2018 Board of Governors Chair/Member
- 2018 President-Elect
- 2017-2018 Vice-President Education
- 2016-present Awards Member/Chair
- 2014-2017 DLs/Education Chair

ComSoc:
- 2022-present Distinguished Lecturer
- 2018-2019 Member, BoG
- 2018-2019 Director/Board Chair (North America)
- 2012, 2021, 2025 ICC Conference Executive Chair
- 2020-present Member Services Board
- 2012-2015 Industry Content
- 2008-2017 R7 Representative, NAR-Board

Region 7/IEEE Canada:
- 2013-present Director, IEEE Canadian Foundation
- 2017-2019 Chair, Publications and Communications
- 2007-2008, 2010-2019 Board
- 2015-2019 Executive Committee
- 2013-2016 Chair, Conference Advisory
- 2010-2012 Chair, IEEE Eastern-Canada: NB/NL/NS/ON/PE/QC

Ottawa Section:
- 2005-present Chair, Awards Committee
- 2008-present Chair, ComSoc/CTSoc/BTS Joint Chapter
- 2003-present Advisor, Algonquin College Student Branch
- 2007-2008 Chair, 2006 Vice-Chair
- Chapter Chair: 1996-2018 PES, 1995-2001 RS

JOSE-IGNACIO CASTILLO-VELAZQUEZ
(Nominated by Petition)

Professor-Researcher
Autonomous University of Mexico City
Advanced Networking Laboratory
Mexico City, Mexico
https://ignaciocastillo.org/

Jose-Ignacio Castillo has 27 years of experience in computer networks & telecommunications. He participated in 110 national & international projects. Since 2008 Castillo is a tenured Professor at Autonomous University of Mexico City as head of Advanced Network Laboratory. Castillo was a visitor Professor for the University of Army in México (UDEFA), The Metropolitan Autonomous University (UAM) Salesian Polytechnical University (UPS-Ecuador), BUAP, UPAEP & UTM. Castillo wrote 50 conference & journal papers, 4 books related to computer networks and leadership. He offered 171 keynote & invited talks. He lectured 138 courses for grade and postgrade. He is referee for IEEE & SPRINGER journals and conferences. As practitioner he worked with TELMEX-REDUNO, The Federal Electoral Institute, and DICINET. He participated with ISO / IEC 27000 committees. As consultant he works with DATACENTER DYNAMICS. He studied MSc. & BSc. in Electronics [with honors] by B. Autonomous University of Puebla Mexico.

Statement

As Regional Director, I will use my 21 years of volunteering experience in IEEE with more than 30 official and no official positions to focus my team activities on 5 main actions.

1. To maintain continuity with projects established in past, making resilient and making new ones our team will implement a maturity model and regular assessment for projects to face the growing challenges in a changing world.
2. With my experience in academia, our team will work for diversifying the *IEEE Latin American Transactions* to making grow the production and quality.
3. With my experience in industry, our team will work in the creation of IEEE-R9 Consultants Data Base to attract potential consultants and to increase the practitioner's participation.
4. Using my experience in projects, our team will share products such as books, programs and tutorials to those community members preferring some products in Spanish and Portuguese.
5. Our region needs to make and implement a long-range plan for development using maturity levels which can help all sections to face 2030 and beyond.

IEEE Accomplishments and Activities
(A'02-M'03-SM'10)

MAJOR ACCOMPLISHMENTS:
- Championing to get the 5th Module from IEEE E-Scientia Initiative for R9 to be located at Universum Museum in Mexico, for 50,000 USD (2012-2015)
- Conversion of *IEEE Latin America Transactions* Editor in Chief as a regular committee member for R9 Board (2012)

Region 9 (Latin America)/ Section:
- IEEE E-Scientia Task Force Member (2012-2015)
- Regional Secretary (2012-2013)
- Virtual Regional Meeting Administrator (2010-2013)
- Strategic Planning Committee Member (2009-2013)
- Virtual Communities Ad-Hoc Committee Chair (2008-2009)
- Virtual Communities Ad-Hoc Committee Member (2007)

Mexican Council:
- History Committee Chair (2023)
- Webmaster (2008-2009)
- Autonomous University of Mexico City, Student Branch Counselor (2009-2018)

Societies

IEEE Computer Society:
- Morelos Chapter Chair (2022-2023)
- Distinguished Visitor Program Committee Member (2018)
- Distinguished Lecturer (DVP-2015-2017)
- Network LAN & MAN STC Member (2013-2014)
- Cloud Computing STC Member (2013-2014)
- Audit Committee Chair (2013)
- Audit Committee Member (2012)
- Board of Governors Member (2012-2014)
- Golden Core Member (2011)
- Board of Governors Member (2011)
- Autonomous University of Mexico City, Computer Society Student Branch Chapter Advisor (2011-2018)
- Ibero American University (Mexico City), Computer Society Student Branch Chapter Advisor (2011-2012)

IEEE R9 Communications Society Chapter:
- Technical Activities Chair (2018-2019)
- Secretary (2016-2017)
- Membership Development Chair (2016-2017)

Publications/Conferences:
- Best Education Paper Award – IEEE ANDESCON (2022)
- Best Paper Award – IEEE ANDESCON (2020)
- Chair of Latin American Industry Symposium (2012 and 2013)
- Chair of Latin America Symposium on Cloud Computing Data Center and Networking (LASCCDCN), the 1st Conference in Latin America related to cloud computing, supported by Computer Society and R9 (2012)
- *NoticIEEEro* Editor in Chief (2010-2011)
- *NoticIEEEro* Editor (2008-2009)
- Editorial Committee Member, *IEEE Latin American Transactions* (2008-2015)

GERARDO BARBOSA
(Nominated by IEEE Region 9)

CEO & Founder
CLOUDCOM.MX
Monterrey, México
gerardobarbosa.com

Gerardo sold his first app in 2003 at age 20. He started his first company right after graduation and has co-founded two other software startups in Monterrey in the last decade. He has an Electronics and Communications BS and an IT Management MS from Tecnológico de Monterrey, the first Latin American university in history to receive full accreditation of its engineering programs by ABET. He also completed a Technology Commercialization MS at UT Austin.

He is an IEEE Senior Member and Computer Society Member with 15 years of experience as a Section volunteer, nine years of experience as a Region 9 volunteer, five years of experience on the IEEE MGA Board of Directors, and has been a member of IEEE-HKN since 2015.

Gerardo served IEEE in many volunteer roles, including MGA Treasurer, MGA Vice-Chair, Region 9 Treasurer, Region 9 Technical Activities Chair & Conference Coordinator, and Chair of the Monterrey Section.

Statement

As Region 9 Director, I will inspire and empower our volunteers to create programs and services specifically tailored to our members, increasing our impact and public awareness in the Region. I plan to focus on these five goals:

1. Increase the value of IEEE membership and engagement for our members by ensuring a steady stream of funding for critical Region projects.

2. Provide extensive support for our volunteers, allowing them to focus their energy on new and ambitious initiatives at the Region level.

3. Implement successful pre-university programs to inspire kids in our Region to pursue careers in STEM.

4. Engage our students on the value of being an IEEE member and support them during their transition to higher-grade membership.

5. Help our YP and WIE members to achieve Senior Member status when eligible and to engage more members in their activities.

IEEE Accomplishments and Activities
(S'06-GSM'08-M'10-SM'15)

MAJOR ACCOMPLISHMENTS

I have volunteered at the Section, Region, MGA Board, and MGA/IEEE Committee levels. In Monterrey, I organized the formation of the first IEEE-HKN Chapter in Region 9. As Section Chair, I had the highest levels of retention and recruitment in the history of the Section while ensuring new volunteers were trained and engaged in continuing the work after my term ended. At Region 9, I served on the Region Committee for nine years: First as Section Chair (2014-2015), as Technical Activities/Conference Coordinator (2016-2017), as Region Treasurer (2018-2020), and as Past Region 9 Treasurer (2021-2022). As MGA Treasurer during the pandemic, working with IEEE staff and volunteers, we made sure the Treasurers in all the IEEE Geographic Units had the support they needed to complete their financial reporting accurately and on time.

IEEE POSITIONS

Region/Section
- Region 9 Past Treasurer (2021-2022)
- Region 9 Treasurer (2018-2020)
- Region 9 Technical Activities/Conference Coordinator (2016-2017)
- Monterrey Section Nominations and Appointments Chair (2020-2023)
- Monterrey Section Chair (2014-2015)
- Monterrey Section Secretary/Treasurer (2012-2013)
- Monterrey Section GOLD (now YP) Affinity Group Chair (2010-2011)
- Monterrey Section Student Activities Chair (2011)
- Monterrey Section Educational Activities Chair (2009-2010)

MGA Board
- Treasurer (2021-2023)
- Vice Chair – Information Management (2019-2020)

MGA Committees
- Finance Committee Chair (2021-2023)
- Strategic Planning Committee Member (2022-2023)
- Region Realignment Ad Hoc Committee Member (2021-2023)
- Operations Committee Member (2019-2023)
- IT Coordination & Oversight Committee Past Chair (2021-2022)
- IT Coordination & Oversight Committee Chair (2019-2020)
- vTools Committee Member (2018)

IEEE Committees
- IEEE Strategy and Alignment Committee Member (2023)
- IEEE New Initiatives Committee Member (2023)
- IEEE Finance Committee Member (2021-2023)
- IEEE Data Based Business Strategy Ad Hoc Committee Member (2022)
- IEEE App Working Group Member (2019-2023)

RUBEN BARRERA-MICHEL
(Nominated by IEEE Region 9)

CEO & Founder
HMSM Hermanos Michel
Zapopan, Mexico
rubenbarrera.me

Ruben Barrera-Michel is the CEO of HMSM, a company dedicated to providing logistic services to American Airlines, United Airlines and Copa Airlines at Guadalajara's Airport, he is a consultant of these companies too.

Ruben received his Bachelor degree from Universidad del Valle de Atemajac (2004) and his Master Degree in Industrial Engineering (2007). He has been speaker in many conferences on topics such as Leadership, Professional Development, Job Search, Interpersonal Skills, Self-Confidence, Retention & Recruitment in private and public universities.

In 2009 he was recognized as an outstanding engineer by the Governor of Jalisco State and Jalisco Engineer's Chamber, and in 2015 received the Professional Outstanding Graduated Award from the Universidad del Valle de Atemajac for his work and commitment to society, for the exercise of values in their professional career. In 2021 he was appointed as Alumni Reference for his outstanding professional performance with a positive impact on society.

Statement

My goal is to continue positioning R9 and IEEE to higher levels, reflecting members and volunteers achievements through these 4 pillars:

- Interacting with Section leaders to **develop content and material** related to emerging technologies, humanitarian and health projects to provide a better future for humanity. This requires regular updates to reflect the best practices from Sections, Student Branches and Chapters.
- R9 faces particular economic, political, and social challenges that impact the adoption and **implementation of technology**. I will work to establish working groups dedicated to understand needs and challenges in Sections and identifying opportunities for innovation.
- **Promoting diversity and inclusion:** Latin America is a diverse region with different languages, cultures and traditions. It's essential to promote diversity and inclusion in IEEE to ensure that it reflects and supports the diverse needs of the region and effectively serving members, the professional community and enhancing the membership value.
- Providing relevant and accessible **education and training:** Access to education and training in technology is limited in R9. It's essential to provide relevant and accessible education and training programs.

IEEE Accomplishments and Activities
(S'02-A'03-M'04-SM'10)

In 2015, as Section Chair, Guadalajara City was selected by IEEE Future Direction Committee for the Smart Cities kick-off. IEEE FDC invested about USD $450,000 to run this project and, in conjunction with my Section, we supported and supervised the Smart Cities project where local universities, Government and Industries were involved.

As Chair of A&A Committee, in 2018, we achieved the goal of elevations by almost 500, and in 2019 with the online model, we surpassed our goal by 1200 elevations. In 2019 staff and myself implemented the online review process to avoid printing hundreds of applications that used to be shipped the panel's locations, saving a lot of economic resources to IEEE.

As 2020 MGA Training Committee Chair, we achieved our goal of providing 65 VoLT leaders annually. We received over 350 applications. We also implemented the renewed VoLT program and the IEEE 101 courses. I worked to renew all the content at CLE site and SC Virtual Training online presentations.

COMMITTEES/BOARDS:
- 2023 IEEE Sections Congress Program Chair
- MGA SAC Chair 2023
- MGA MBPAC Committee Chair 2022
- MGA Training Committee: Chair 2020-2021; Member 2017-2018
- MGA Admission and Advancement Committee: Past Chair 2020-2021; Chair 2018-2019
- MGA Student Activities Committee Vice-Chair 2015-2016
- IEEE A&A Committee: Vice-Chair and R9 Member, 2016, 2014, 2015
- MGA Student Activities Committee Member 2011-2012
- IEEE Individual Benefits and Service Committee Member-at-Large 2009
- IEEE Contact Center Ad Hoc Committee – Member 2008-2009

REGION:
- R9 Ad Hoc Committee Collabratec Chair 2021-2023
- R9 Ad Hoc Committee Membership Development Member 2021
- IEEE Regional Student Activities Committee Chair 2011-2012

SECTIONS/CHAPTERS:
- Guadalajara Section: Treasurer 2015-2020; Chair 2013-2014; Treasurer 2011-2012
- YP Group Chairman 2004-2012

STUDENT BRANCHES:
- University del Valle de Atemajac Student Branch: Chair, 2001-2003; Counselor, 2007

OTHERS:
- Member of IEEE Smart Cities
- 2013 Theodore Hissey Award for Region 9
- 2021 MGA Leadership Award Recipient

For IEEE Standards Association President-Elect, 2024
IEEE Standards Association President, 2025-2026

MARK EPSTEIN
(Nominated by Petition)

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

Meet Mark by watching a brief video on the IEEE Annual Election website at 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 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 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 polarization modulation.

Mark is on the Boards of ATIS, TIA, US ITU Association, and IEEE SA Board of Governors. 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.

Statement

I'm running for IEEE Standards Association President-Elect because it's time to take our Standards Association to the next level. I'm the person to do it.

I'm driven by my desire to give back to the IEEE – it has given me tremendous support, starting when I was President of the IEEE Student Branch at MIT, continuing as I developed new IEEE technical standards, and as I participate today on committees and in officer positions in our Standards Association.

Here's my positive vision for the future. I will:

- 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 mechanics of drafting documents and on document and meeting management, so you can focus on producing higher quality content
- Improve standards management processes to make them much more open, transparent and fair
- Improve our standards products so that IEEE standards better meet market

needs and enhance our global reputation
- Attract more technologies by demonstrating the added value of using the IEEE to prepare standards

I will work on all these opportunities for improvements with the same entrepreneurial skills that I have successfully applied in growing Qualcomm.

I ask for your vote.

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 initially 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.

I have served on the Standards Board, where I encouraged minimizing bureaucratic obstacles, and later served on the BOG and the CAG and their governance committees. My roles have included:

- VP and Chair, Global Products, Services, and Marketing Strategic Management and Delivery Committee (SMDC)
- 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 the IEEE New Initiatives Committee and IEEE Awards Board.

I also have proposed incentives to grow our Corporate Membership, including encouraging specialized collateral material, webinars, and educational material. This helped to grow the number of members dramatically.

I proposed expanding the scope of SA Awards to provide financial recognition to our honorees. I also worked on recognizing IEEE fellows active in standards.

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

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

GARY R. HOFFMAN
(Nominated by IEEE Standards Association)

President, CEO, CTO and Founder
Advanced Power Technologies, LLC
Randolph, New Jersey, USA

Meet Gary by watching a brief video on the IEEE Annual Election website at www.ieee.org/elections or scan the QR code.

Hoffman

Gary is an IEEE Life Fellow and has a BSE and MSEE from SUNY Stony Brook and has been a practicing electrical, electronic, and firmware engineer and Entrepreneur for over 47 years. After graduation he was a custom and standard LSI chip designer with General Instruments designing six custom and standard LSI ICs in two years. At Controlotron he designed the trim and drain flowmeter for the Ohio Class nuclear submarines. At VEECO Instruments he became Director of Engineering and led a team of mechanical, electrical, and physicists to design high vacuum instruments and vacuum systems used in the manufacture of semiconductors. At RFL Electronics he joined as Vice President of Engineering and in 1999 he bootstrapped his own Company: Advanced Power Technologies, a financially profitable Company where he is Founder and CEO developing and manufacturing Power Transformer Monitoring systems for Electric Utilities throughout the World.

Statement

As IEEE Standards Association President, I will use my leadership skills to ensure the IEEE SA's strategic plan is Member and consensus driven and I pledge:

a) The IEEE SA will focus on being a service to all Societies and Councils while maintaining our World Class Standardization process.

b) To continue funding of the TAB Committee on Standards program to fund nascent standards development to support start up activities in Societies and Councils.

c) To facilitate better cooperation by having regularly scheduled meetings with Society and Council's leadership to encourage cooperation in

outreach activities that will lead to the success of the Societies and Councils as well as the entire Institute.

d) To build a more globally and gender inclusive IEEE SA that will capture the hearts and minds of stakeholders to participate in the IEEE SA Standards development process and IEEE SA Governance activities.

e) Ensure we have a pipeline of volunteers engaged in IEEE SA governance activities, I pledge to support travel and living expenses for IEEE SA volunteer governance Members to encourage participation on a world-wide basis where they may not otherwise be able to participate.

IEEE Accomplishments and Activities
(M'74-S'76-M'76-M'79-M'93-SM'98-F'15-LF'21)

IEEE and IEEE SA Positions:

- IEEE SA Standards Board (SASB) Member: 2013-2023
- Member IEEE SA Standards Review Committee (RevCom): 2011-2014
- RevCom Chair: 2016-2018
- Elected SASB Vice Chair by the SASB: 2016, 2017, 2018
- SASB Chair: 2019-2021
- Member IEEE SA Audit Committee (AudCom): 2015
- Member IEEE SA Industry Connections Committee (ICCom): 2015
- Member IEEE SA Patent Committee (PatCom): 2013, 2016-2018, 2022-2023
- Past Chair of SASB: 2022-2023
- IEEE SA Board of Governors Member: 2019-2023
- Member of the IEEE Power & Energy Society (PES) Fellow Evaluation Committee: 2022-2023
- Member of TAB Committee on Standards (TAB CoS): 2021-2022
- Chair and leader of TAB CoS Ad Hoc to develop its Operations Manual: 2021-2023

IEEE SA Major Accomplishments:

- Founding Chair of the new IEEE SA BoG Committee: Standards and Standards Innovation (S&SI) Strategic Management and Delivery Committee (SMDC), 2019
- Founding Chair of the new S&SI Committee: named: Strategic and Emerging Standards Committee (SESCom), 2022

IEEE PES Transformers Committee Standards Development Project Accomplishments:

- 2010: Working Group Chair IEEE Std C57.12.10
- 2014: Working Group Chair IEEE Std C57.116
- 2015: Working Group Vice Chair IEEE Std C57.163
- 2017: Working Group Chair for the Revision of IEEE Std C57.12.10
- 2023: Working Group Chair IEEE Std C57.167

ROBBY ROBSON
(Nominated by IEEE Standards Association)

Co-Founder, Chief Science Officer, and
Chair of the Board of Directors
Eduworks Corporation
Corvallis, Oregon, USA
www.robbyrobson.com/IEEESA

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

Robby

Robby is an entrepreneur and standards professional known for innovation and effective leadership. After receiving his doctorate from Stanford, Robby spent fifteen years as a research mathematician. He focused on the Learning Technology field after co-creating one of the first online learning systems in 1996. In 2001 he co-founded Eduworks, became its CEO, and retired as CEO in 2022. Robby was elected chair of the IEEE Computer Society Learning Technology Standards Committee in 2000 and has served on numerous Standards Association, Computer Society, and IEEE major Organizational Unit committees and boards. He currently leads the IEEE Standards Association's Open Source efforts, chairs the IEEE SA Strategic and Emerging Standards Committee's Inclusive Language Working Group, and serves on the IEEE Educational Activities Board and Industry Engagement Committee. Robby holds several patents, has over 100 publications, has lived in the US, Germany, and France, and has never lost his sense of humor.

Statement

The IEEE Standards Association (IEEE SA) has a well-deserved reputation for producing high quality global standards. Over time, however, its governance has become risk averse and too often prioritizes internal processes over supporting standards developers. To grow, deliver member value, and achieve mission goals, **IEEE SA must fully commit to:**

- **Serving the working group participants, Societies, and industries that are the foundation of its success, and**
- **Deeply engaging members in innovation and decision-making.**

If elected, these will be my top priorities. In collaboration with the many IEEE SA leaders who support me, and with a technically and culturally diverse global leadership team, I will work to:

- modernize our tools and streamline operations,
- provide new services (like our Open Source platform) that add value for standards users,

- create on-ramps for young professionals,
- expand and facilitate transnational participation,
- emphasize mentoring and education over policing, and
- **treat standards developers as IEEE SA's most valuable assets.**

Together, we can transform IEEE SA into a vibrant, service-oriented organization that provides unparalleled member value, is a leader in emerging technologies, and is enthusiastically supported by its members and staff. **I am committed to serving *full time* as your president,** and I humbly ask for your vote.

IEEE Accomplishments and Activities
(A'99-M'00-SM'05)

- **Chair, IEEE Computer Society Learning Technology Standards Committee (2000-2008).** Focused committee on market-relevant work and produced five published standards. Successfully managed relations with rival standards bodies and a liaison with ISO/IEC JTC1 SC36.

- **Computer Society Standards Activity Board (2003-2021).** Vice chair, P&P chair, industry engagement chair, and C/SAB standards committee chair. Helped launch AI, data compression, distributed ledgers, and online gaming Standards Committees. Introduced training for new WG chairs.

- **Member, Standards Association Standards Board (2010, 2011, 2017-2018, 2021-2023).** Served on SASB, NesCom, RevCom, PatCom, ProCom and ICCom.

- **Member, IEEE-SA Board of Governors (2019-2021, 2023).** Helped accelerate stalled rollout of myProject. Worked with staff to provide broad access to WebEx. I am leading industry-focused open source initiatives and Serious Open Source for Humanity.

- **Chair, IEEE SA Open Source Committee (2021-2023).** First/only chair. Helped position IEEE-SA as the Open Source leader among global standards bodies. IEEE SA Open has 29 standards projects from 12 Societies and is growing.

- **Chair, Standards Education Committee (2019-2021).** Turned a passive committee into an active one with multiple initiatives. Led creation of *Working Group Fundamentals* course. Guided efforts to sunset the SEC and transfer activities to more appropriate homes.

- **Member, IEEE Educational Activities Board (2021-2023).** SA representative. Working on IEEE standards professional credential.

- **Industry Connections Committee (2017-2023).** Vice Chair since 2021. Multiple contributions to operations and P&P.

- **Entity Collaborative Activities Governance Board (CAG) (2019, 2020, 2022-2023).** Worked on Open Source, its P&P, and member value.

- **Chair, IEEE Industry Engagement Committee Tools Subcommittee (2022-2023).** New AI-enabled services being developed in 2023.

- **Chair, P3400 WG on Inclusive Language in Technical Documentation.** Was invited to chair critical, potentially contentious WG under the BOG Strategic and Emerging Standards Committee. Started in 2022. SA Ballot expected to start August 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 IEEE, ITU, TIA, and ATIS. Currently, he is a member of the IEEE-SA Board of Governors. He chairs the IEEE Standard Committee on Network Softwarization and Virtualization. Mehmet served as the Director of Standards Development in ComSoc; played a major role in involving ComSoc in IEEE standards. He represented IEEE SA in the IEEE Future Directions Committee. He is a founding co-chair of IEEE Public Safety Technology initiative. Previously, he held 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. Mehmet received his PhD from New York University and BS/MS from Istanbul Technical University.

Statement

While IEEE Standards Association 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.

IEEE Accomplishments and Activities
(S'77-M'80-SM'93-LS'16)

Standards:
- IEEE-SA Board of Governors, Member-at-Large (2022-2023)
- IEEE-SA Standards Board (2016-2018, 2020)
- New Standards Committee (NesCom) (2018, 2019, 2022)
- Audit Committee (AudCom) (2017-2020)

- Industry Connections Committee (ICCom) (2019-2023)
- Review Committee (RevCom) (2017-2019)
- Standards Board Patent Committee (PatCom) (2001-2022)
- Coordinator, Standards Coordinating Committees (SCC) (2020-2021)
- 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
- Finance Chair, IEEE NOMS 1998 and IEEE NOMS 2000

Editorial Board:
- Associate Editor, *IEEE Journal on Internet of Things* (2014-2020)
- 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-present)

DOUGLAS N. ZUCKERMAN
(Nominated by IEEE Standards Association)

Senior Research Scientist (Retired)
Telcordia Technologies, Inc.
Ocean, New Jersey, USA

Doug Zuckerman, an IEEE Life Fellow, has a long history of IEEE volunteer activities, including IEEE Communications Society President and IEEE Board Director. His BS, MS and PhD degrees are from Columbia University (USA). His earlier work at AT&T Bell Labs, Bellcore, Telcordia, and Applied Communication Sciences heavily influenced network management requirements and specifications which became de facto and de jure standards for the industry. His career included systems engineering and operations planning for waveguide, satellite and optical technologies. Recently, he has focused on public safety technology, cloud/fog/edge computing and networking, big data, digital reality and other emerging technologies. Leadership roles included: Telcordia's Principal Representative to Optical Internetworking Forum (OIF), OIF Board Member, and OIF Operations, Administration, Maintenance and Provisioning Working Group Chair; IEEE-SA Fellow Nomination Support Committee Chair; and IEEE Public Safety Technology Initiative Co-Chair. He is also a consultant for Peraton Labs.

Statement

IEEE-SA should leverage the unique opportunity to employ IEEE's resident expertise from Societies/Councils to create emerging technology standards. IEEE's Future Directions Committee (FDC), New Initiatives Committee (NIC) and Industry Engagement Committee (IEC) serve as a platform for discovering standardization opportunities in early technology evolution stages. Industrial and academic researchers are in the forefront of this evolution and need a supportive ecosystem for participation in standards activities. Through leveraging my FDC, NIC and IEC activities, I am in a unique position to bring together researchers and practitioners to position IEEE-SA as a global leader in emerging technologies' standards. One element of the ecosystem for recognition of standards contributors is the IEEE-SA Fellow Nomination Support Committee (FelCom), which I chair. FelCom aims at increasing the number of Fellows from Standards Activities. As a step towards this objective, the IEEE Board of Directors recently approved a new Fellow category on "Standards."

IEEE Accomplishments and Activities
(S'67-M'77-SM'86-F'96-LF'13)

For decades, my activities and accomplishments have spanned IEEE's technical, membership, governance and standards activities.

Most recently in IEEE-SA:
- Fellow Nomination and Support Committee (FelCom) – Founding Chair. Aims at increasing standards contributors becoming IEEE Fellows.
- IEEE-SA Rapid Activator Program – Initiated and co-chaired proposed multi-vendor interoperability demo program as catalyst for IEEE-SA standards adoption by industry.
- Technical Innovation and Engagement SMDC – Member.

Other achievements have been as IEEE Communications Society President, IEEE Division III Director and the following:

Major IEEE Boards/Committees
- IEEE-SA Technical Innovation and Engagement SMDC 2021-2022
- IEEE Industry Engagement 2021-2022
- IEEE-SA Representative to Fellow Strategic Planning Subcommittee (2021-2022)
- IEEE Division III Director and Board 2012-2013
- Corporate Engagement 2012-2013
- Member Engagement and Life Cycle 2010
- Products and Services 2007-2008
- Technical Activities Board (TAB) 2008-2009, 2012-2013
- Career and Professional Development 2012

ComSoc
- President 2008-2009
- Four different VP positions 2000-2007
- Board of Governors 1995-2017
- Strategic Planning Chair 2006-2007
- Governance Chair 2007

Conferences/Publications
- GLOBECOM 2009/2019 General Chair
- NOMS/IM General Chair 1990/2012/2014
- CCNC Steering Committee 2007-2022
- OFC Steering and Long-Range Planning 2007-2013, 2017-2019
- JOCN Steering 2013-2019

Awards/Recognitions
- IEEE Fellow 1996
- Third Millennium Medal 2000
- McLellan Service Award (ComSoc) 2000
- Sobol Award (ComSoc conference service) 2002

Society Memberships: ComSoc, Consumer Technology, Photonics

KISHIK PARK
(Nominated by IEEE Standards Association)

President
Policy Research Institute for Human Dignity
Daejeon-city, South Korea (Republic of Korea)
https://www.prid.info/

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 also received a Ph.D. Degree in Telecommunications Policy in 1995, and a second Ph.D. in 2004 in Internet Multicast QoS.

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

He served as a Member of IEEE SA BOG actively including its subcommittees (2013-2020), ITU-T SG3 & WP3/TSAG Chairman, and Advisory Board Member of ASTAP/APT. Dr. Park has also carried out international roles such as the 9th GSC Chairman, Secretary General of Asia IT Ministers' Conference, W3C AC Korean representative.

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

Statement

Based on my broad experience in various standards organizations such as ITU, W3C, JTC1, GSC, and IEEE for 30+ years, if you give me an opportunity to continue to serve as an IEEE-SA BOG Member, I will do my best to contribute for the bright future of IEEE-SA focusing on the following points:

- To strengthen the diversity of IEEE-SA participants considering regional, gender, generation balance including young experts and women engineers.

- To improve membership benefits and satisfaction in terms of standard-related activities/business.

- To find more efficient and closer way for the collaboration and co-working on important standardization topics such as AI and Climate Change with other international SDOs

- To increase efforts to strengthen active and closer networking and collaboration between Asian countries and IEEE-SA which is pursuing a global standards organization

IEEE Accomplishments and Activities
(M'12-SM'22)

IEEE Major Boards and Committees:

- Member, IEEE-SA Standards and Standards Innovation Strategic Management and Delivery Committee (S&SI SMDC) Ad Hoc Committee, 2022-Present
- Member-at-Large, IEEE-SA Board of Governors, 2013-Present
- Member, IEEE-SA Standards Education Committee, 2013-2015
- Member, IEEE-SA Standards Conduct Committee, 2015-2016
- Member, IEEE Technical Field Awards Council, IEEE Awards Board, 2016-2017
- Member, IEEE Charles Proteus Steinmetz Award Committee, 2015-2016
- Board of Director Member, IEEE Educational Activities Board, 2014
- Member of several IEEE-SA Committees such as Nomination & Appointment Committee, Strategic Planning Committee, 2013-2020

IEEE Memberships:
- Standards Association
- Communications Society
- Computer Society

Other IEEE Activities:

- 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 Tele-community Standardization Program)
- Translated *Ethically Aligned Design* (*EAD*), first edition in Korean and published its Korean version in March 2023.

JOSEPH S. LEVY
(Nominated by IEEE Standards Association)

Principal Engineer
Interdigital, Inc.
New York, New York, USA

Joseph Levy is a Principal Engineer in the Wireless Lab of InterDigital focused on developing and advancing IEEE 802.11 standards and related technologies. He has worked on and led multiple InterDigital Standards efforts (802.11, 802.18, 802.19, 3GPP RAN4, 3GPP RAN1). Prior to InterDigital, he was with LayerOne Technology, a start-up company working on 4G cellular technology, representing LayerOne in 3GPP RAN. Prior to LayerOne, he was a Sr. Staff Engineer at EDO/AIL Corporation responsible for system and component design of microwave and millimeter wave receiver systems for military, scientific, and commercial space applications for 20 years.

Joseph has authored/co-authored nine published papers/articles and has 196 granted US patents.

Joseph received the Sc. B. Degree in Engineering from Brown University and the M.S. Degree in Electric Engineering form Polytechnic Institute of New York (now a school of NYU). Joseph is a Licensed Professional Engineer in the State of New York.

Statement

I have had considerable experience working on Standards and in Standard's Groups developing consensus based technical solutions and specification. I would like to continue to support the work of the IEEE SA, drawing on my years of standardization experience, engineering management experience, and my long-time support of various IEEE activities. I believe in the IEEE SA's mission to develop and advance global technologies though consensus building and the development of widely adopted standards. I see this mission as being critical to improving the human condition throughout the world. I am grateful for the opportunity to continue my service to the IEEE SA.

IEEE Accomplishments and Activities
(M'85-SM'21)

Joseph Levy is a Senior Member of the IEEE and a member of the following IEEE Societies: the Computer Society, the Communications Society, the

Microwave Theory and Techniques Society, the Vehicular Technology Society, and the IEEE Standards Association.

Joseph is currently serving the IEEE Standards Association on the Standards Association Standards Board (SASB 2019, 2023), the Audit Committee (AudCom 2020-2023), and on the Patent Committee (PatCom 2023), and has previously served the IEEE SA New Standards Committee (NesCom 2019).

Joseph is an active participant in 802: in 802.11 as a voting member (2003-present) he serves as the Vice Chair and Secretary of the 802.11 Architecture Standing Committee (ARC SC), and as the 802.11 liaison to P802REVc. He has served as the Chair of the 802.11 Advanced Access Network Interface Standing Committee (AANI SC), as the Vice Chair of the 802.11 Task Group for Next Generation V2X (TGbd), and as the 802.11n General Ad Hoc Chair. He is an active member in 802.18 (2022-present) and participated in 802.19 (2004-2009). Joseph is also an active participant in P3400 – Standard for Use of Inclusive Language in Technical Terminology and Communications, where he currently serves as the Sources and Definitions Subgroup Chair.

Joseph is currently the Computer Society Standards Activities Board (SAB) Policy and Procedures Chair and has served the MTTS as an officer for the MTTS Long Island NY Section (Chair, Vice Chair, Treasurer and Secretary over a 6 year period), as an MTT-S Open forum Chair, and as an MTT-S Workshop Chair. He has also served the Long Island Section of the IEEE as an officer (Secretary, Treasurer, 2nd, and 1st Vice Chair over a 4-year period).

MACIEJ J. OGORZALEK
(Nominated by IEEE Technical Activities)

Honorary Chair Professor
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

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

Ogorzalek

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

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

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 and visiting professor at the Integrated Systems Laboratory, Swiss Federal Institute of Technology, Lausanne.

He has served as Associate Editor for several international scientific journals. Plenary or Keynote speaker at over 60 major international conferences and workshops. Elected Member of Academia Europaea, Full Member of the Polish Academy of Sciences and the Academy of Engineering in Poland.

Statement

1. I will lead TAB and its units to attack emerging problems: our planet 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 such as air-and water-pollution mitigation, advanced electronic waste management are on the top of my agenda.
2. The experience of many restrictions over last years have very significant impact on all IEEE operations. Remote participation limits important direct contacts but gives also special opportunities for enlarging the audiences, encouraging involvement of under-represented communities, closing the gender gap and also changing the perspective of engineering and STEM subjects. We have to enhance, improve and encourage telepresence experience in view of the climate change.
3. TAB has to provide excellent service on every scale - from local chapters and groups of interest to global perspective. Chapter support is crucial. Significant improvements of horizontal and vertical communication between and within OUs will help to solve local problems.
4. My Motto: Think globally - Act locally!

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.

IEEE Accomplishments and Activities
(M'88-SM'93-F'97-LF'22)

COMMITTEES/BOARDS:
- 2022-2023 Member, IEEE Conference Committee
- 2022-2023 Member, TAB Ombudsman
- 2021-2023 Member, New Initiatives Committee
- 2020-2023 Member, IEEE 2050 Ad-Hoc
- 2021-2023 Member, IEEE Fellow Committee
- 2022-2023 Member, TCOES
- 2020-2023 Member, IEEE TAB TC 2.0 Ad-Hoc
- 2020-2023 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)
- General Co-chair, ESSCIRC/ESSDERC 2019
- Co-organizer CAS FEST 2012, Seoul, Korea
- Committee Member of several 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 Milestones in Poland (ENIGMA and "Czochralski").
4. Chaired the Ad-Hoc committee which formulated the current Technical Activities Mission and Vision Statement adopted by TAB.
5. As member of the TC2.0 Ad-Hoc, FDC and NIC I worked towards improvements of current operations of TAB units and providing support to new initiatives and future projects.

DALMA NOVAK
(Nominated by IEEE Technical Activities)

VP of Engineering
Octane Wireless
Hanover, Maryland, USA
www.octanewireless.com

Novak

Meet Dalma by watching a brief video on the IEEE Annual Election website at www.ieee.org/elections or scan the QR code.

Dalma Novak is VP of Engineering at Octane Wireless (formerly Pharad) where she develops high-performance RF-over-fiber technologies. Prior to co-founding Pharad in 2004, she spent 12 years as a Professor and Chair in the Department of Electrical and Electronic Engineering at The University of Melbourne. She was also a Technical Section Lead at Dorsál Networks and Corvis Corporation where she led cross-disciplinary R&D teams developing hardware for long-haul transmission systems. Her research interests include microwave photonics, wireless technologies, and optical communications. She has published more than 300 papers in these areas. In 2007 she was elected to the grade of IEEE Fellow for contributions to enabling technologies for the implementation of fiber-radio systems and received the IEEE Photonics Society Engineering Achievement Award in 2018. Dalma received the degrees of Bachelor of Engineering (Electrical) with First Class Honors and PhD from the University of Queensland, Australia, in 1987 and 1992, respectively.

Statement

Diversity of thought is essential to innovation. The Societies and Councils that make up the IEEE Technical Activities Board (TAB) are inherently diverse in many dimensions, which is the foundation of successful innovation. My goal as VP of Technical Activities would be to support the diversity of thought enabled by TAB technical communities by working to unite our various perspectives and efforts for the benefit of everyone. I aim to leverage my multidisciplinary industrial and academic backgrounds to do the following:

- Promote increased collaboration to identify creative solutions, that address current and emerging challenges, in key product areas such as publications and conferences;
- Facilitate the sharing of experiences, best practices, new ideas, and emerging opportunities essential to moving forward and making progress;
- Support the development of strategies to identify the next generation of volunteer leaders and increase the accessibility of volunteer opportunities; and
- Create additional impact by exploring engagement and partnerships with emerging communities and organizations that share mutual interests.

It is imperative that we strengthen our joint commitment to diversity, equity, inclusion, and belonging. Ensuring that we attract, retain, and develop a more diverse membership and volunteer base enables us to build successful technical communities.

IEEE Accomplishments and Activities
(S'90-M'91-SM'01-F'07)

BOARD OF DIRECTORS and COMMITTEES:
- Director, Division X, 2021-2022
- Member, Committee on Diversity and Inclusion, 2022-2023 (Vice-Chair 2022)
- Member, Employee Benefits and Compensation Committee, 2022-Present
- Member, Strategy Alignment Committee, 2022-2023
- Member, New Initiatives Committee, 2018-2021
- Member, Fellow Committee, 2017-2020
- Member, Public Visibility Committee, 2016-2017

TAB:
- Chair, Committee on Diversity and Inclusion, 2021-2023
- Member, Strategic Planning Committee, 2021-2023
- Member, Committee on Technical Community Outreach, Engagement and Society Membership, 2022-2023
- Member, Nominations and Appointments Committee, 2023-Present

AWARD COMMITTEES:
- Member, IEEE Founders Medal Committee, 2023-Present
- Member, IEEE Nishizawa Medal Committee, 2021-2023
- Member, IEEE Photonics Award Committee, 2020-2023 (Chair 2022)

SOCIETIES:
- Photonics Society:
  - President, 2014-2015
  - Secretary Treasurer, 2012-2013
  - Member, Board of Governors, 2011-2013
  - Chair, Industry Engagement Committee, 2017-2022
  - Chair, Awards Committee, 2019-2020
- Microwave Theory and Technology Society:
  - Member, Awards Committee, 2019-2023
  - Member, Fellow Committee, 2011-2012

SECTIONS/CHAPTERS:
- Chair, IEEE Australia Council, 1999-2000
- Chair, IEEE LEOS/EDS Victorian Chapter, 1999-2001
- Member, IEEE LEOS/EDS Australian Chapter Executive Committee, 1996-1998
- Member, IEEE Victorian Section ExCom, 1993-2001 (Chair 1996-1999)

CONFERENCES:
- IEEE Photonics Conference:
  - General Chair, 2012
  - Technical Program Chair, 2010
  - Member, Technical Program Committee (TPC), 2000-2009
- IEEE/Optica Optical Fiber Communications Conference:
  - Member, Steering Committee, 2018-2023
  - Member, TPC, 2005-2007, 2010-2012
- IEEE International Microwave Symposium (IMS):
  - IMS2024 TPC Co-Chair
  - Member, TPRC, 2003-2012, 2017
  - Member, Steering Committee, 2011, 2018
- IEEE International Topical Meeting on Microwave Photonics:
  - General Co-Chair, 1999
  - Member, TPC, 1998, 2002, 2006, 2013, 2014, 2015, 2018 (Co-Chair 2015, 2017)
  - Member, Steering Committee, 1996-2002, 2004-2012 (Chair 2000)

PUBLICATIONS:
- Member, Editorial Board, *IEEE Access*, 2023-Present
- Member, Editorial Board, *Proceedings of the IEEE*, 2021-2023
- Associate Editor, *Journal of Lightwave Technology*, 2002-2007, 2018-2023
- Associate Editor, *IEEE Photonics Technology Letters*, 2009-2019

AWARDS:
- IEEE Photonics Society Engineering Achievement Award, 2018
- IEEE Photonics Society Distinguished Service Award, 2018

RAKESH KUMAR
(Nominated by IEEE Technical Activities)

President & CEO
Technology Connexions Inc.
Poway, California, USA
www.rakesh4vpta.com

Meet Rakesh by watching a brief video on the IEEE Annual Election website at www.ieee.org/elections or scan the QR code.

Kumar

Rakesh has a distinguished semiconductor industry career, is an entrepreneur, and an educator. He founded two start-ups and made many technical and leadership contributions at Cadence, Unisys, and Motorola where he developed leading semiconductor technologies. As VP and GM at Cadence he built a successful Silicon Technology services business championing the integration of silicon, design and EDA in chip and system design. At Unisys and Cadence, he coordinated the implementation model that enabled the Fabless industry revolution and authored McGraw Hill's *Fabless Semiconductor Implementation*". He is an IEEE Life Fellow, was inducted into the Technical Activities Hall of Honor. His many IEEE contributions include Chairing the IEEE/TA Data AdHoc & Roadmaps Committees, DataPort Chair, Industry Engagement committee member, SSCS Past-President, TA Chair for 3 Sections Congresses. He teaches Entrepreneurship at UC San Diego.

He received the EE Ph.D. and M.S. from Univ. Rochester, BTech. from IITDelhi, and Executive "MBA" from UCSD.

Statement

Having gained much experience in leading four activities within IEEE TA, and having participated in three recent Region meetings I have gained a good understanding of the areas I will focus on. First, we need to incentivize the development of cross-functional, multi-disciplinary, real-world solutions. These will draw in members that are not currently Society members. Next, focusing on topics and areas of interest to young professionals, such as climate solutions and career development, we will become more relevant to that community. This approach will go a long way in potentially reducing the YP dropout rate after graduation. Lastly, we need to find ways to implement projects at a much faster rate. Technology solutions are being implemented in the industry at a very rapid rate. Unless we tackle this problem we may experience obsolescence.

IEEE/TA has an excellent reputation and brand for being the premier research publication/conference venue. We need to build on this reputation and either expand or build a new brand focused on solutions relevant more broadly and to the industry. It will be my pleasure to advance these priorities if I'm elected. We also need to grow our Members globally and continue to improve our records on Diversity.

IEEE Accomplishments and Activities
(S'70-M'74-SM'91-F'08-LF'13)

Kumar has served in a wide-range of leadership roles. His efforts led to enhancements within TA. He initiated/implemented plans for SSCS Chapters expansion worldwide, increased cooperation and globalization across various OUs. He was inducted into the TAB Hall of Honor. He fosters cross-functional cooperation and innovation using his technical know-how and leadership skills.

Recent Leadership Roles:
- IEEE Data-based Business Strategy AdHoc Chair
- IEEE Technology Roadmaps Committee Chair
- DataPort Chair
- CHIPS Volunteer Advisory Board Co-Chair
- IEEE Industry Engagement Committee
- SSCS Strategy Adviser and Magazine Board Chair
- IEEE Sections Congress – 2020 Advisory panel, 2017, 2014, 2011 TA Chair
- Boards of Governors – SSCS, SSIT, HKN
- MGA VoLT Instructor

Technical Activities Leadership:
- TMC 2015-17
- Strategic Planning 2014-16
- Vice-Chair Entrepreneurship 2015-16
- Chair Society Turnaround Committee (SSIT) 2012-14
- MGA Geographic Unit Operations Support Committee, TAB Representative 2011
- Ethics and Conflict Resolution 2010
- TAB FinCom 2009-10

SSCS Leadership:
- Society Directions Committee Advisor 2021-present
- President 2012-13; Vice-President 2010-11; Treasurer 2005-09; CICC Representative to SSCS AdCom 2000-04; Nominations Chair 2014-15; Chair, Magazine Advisory Board, 2014-present
- As SSCS President/President-Elect, promoted global presence outreach
  - Facilitated formation of 12 new Chapters (15% growth in two years)
  - Led programs that transformed declining Society membership trend to positive annual growth (~2.5%) in two years
  - Promoted volunteer recognition – Fellow nominations increased by 80%
  - Enhanced educational activities – >15 tutorials/short courses available online, 7 Distinguished Lecturer "Tours" in Regions 8-10 (participated in 3)
  - Launched successful SSCS Webinar program
  - SSCS and EDS Distinguished Lectures
  - Supported GOLD/YP and WIE activities
  - Championed/promoted member value
- Spear-headed approval and launched *IEEE Solid-State Circuits Magazine* focused on historical, educational and newsworthy content (2005-06). Tutorials Editor for five years
- Used Leadership skills that drove the formulation/approval of cross-functional publications:
  - *IEEE RFIC Virtual Journal* – Fostered cooperation between SSC/CAS/MTT/ED/AP Societies
  - JXCDC – *IEEE Journal on Exploratory Computational Solid-State Computational Devices and Circuits* (sponsors SSCS/Magnetics/NanoTechC/CAS/Computer; technical co-sponsors EDS/C Superconductivity/CEDA)
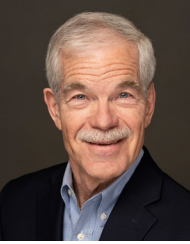
JAMES R. LOOK
(Nominated by IEEE-USA)

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

Meet Jim by watching a brief video on the IEEE Annual Election website at www.ieee.org/elections or scan the QR code.

Look

James Look (BSEE, MBA) completed a 30+ year career in the electric utility and the international oil and gas industries. Over 28 years of his engineering career were spent in Houston and the Middle East with Saudi Aramco, the largest international oil production company. Over that time frame he was involved in a wide range of engineering and management positions. The assignments progressed from power system engineering to refinery engineering, then to project management, followed by leadership of a multidisciplinary engineering division, and finally to advising Aramco's corporate management. Jim's time and efforts are currently dedicated to IEEE and IEEE-USA, but also included Habitat for Humanity and the City of Boulder (Advisory Committees). As a past-Director he continues to be actively engaged in enhancing governance policy and financial vitality.

Statement

It is vitally important that IEEE members in the USA have a voice in Washington, D.C. As president of IEEE-USA, my goal will be to promote programs which continue to address the membership and financial challenges, while preserving the voice of the member in Washington.

Effectively using the resources of IEEE-USA to provide member benefits, not provided by other IEEE organizations, is a prime objective. This includes relevant programs in the areas of career resources and especially U.S. technology policy. The policy domain is important. IEEE-USA is uniquely situated to provide unbiased technical analysis, in addition to routinely interacting with Federal government policy makers to shape workforce and technology policies. These benefits and programs must be refocused over time depending upon the needs of our members.

Enhancing professional growth and career development are also important aspects of the IEEE-USA member support package. This includes coordinating with IEEE-MGA to support students and designing programs to reinforce engagement with Life Members.

I will do my uttermost to plan, initiate and promote the most effective and relevant mix of opportunities, services and activities for the benefit of all IEEE-USA members, while preserving the members' voice in Washington, D.C.

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

ACCOMPLISHMENTS

Jim served on the IEEE Audit Committee, three IEEE Board level Ad Hoc committees and several special study committees while he was Regional Director.

In 2020 he served on the IEEE Board Ad Hoc committee which looked at options to improve the IEEE membership dues structure. This committee analyzed a variety of options to increase membership by making member dues more affordable. One of the notable outcomes of this committee was the program which reduced all student dues by 50% (Future50 Program).

In the area of IEEE-USA, he worked on committees which addressed the issues of Regional realignment and the long-term financial viability of IEEE-USA.

In 2021, he was appointed by 2021 IEEE President Ray Liu as Chair of the Ad Hoc Committee on Strengthening the IEEE Constitution. This Ad Hoc Committee generated recommendations which were implemented to improve the governance at the IEEE bylaw and constitutional levels. Subsequently, he led the team which expedited the successful 2022 amendment referendum to the IEEE Constitution.

VOLUNTEER ACTIVITIES

IEEE COMMITTEES and BOARDS:
- IEEE and IEEE-USA Boards of Directors (2020-2021)
- IEEE Audit Committee (Member, 2020-2021)
- IEEE Ad Hoc Committee on Strengthening the IEEE Constitution (Chair, 2021)
- IEEE Ad Hoc Committee on Potential Changes to Membership Dues (Co-Chair, 2020)
- IEEE Ad Hoc Committee on New Membership Models (Member, 2019)
- IEEE MGA Committee on Regional Realignment (Member, 2021)
- IEEE-USA Committee on Financial Restructuring (Member, 2021-2022)
- IEEE-USA Professional Activities (Vice President, 2010-2012)
- IEEE MGA Member Benefits Portfolio Advisory Committee (Chair, 2014-2016)
- IEEE-USA Energy Policy Committee (Corresponding Member, 2007-2021)

REGION and SECTION:
- R5 Director (2020-2021)
- R5 Area Chair (2010-2017)
- R5 PACE Coordinator (2008-2009)
- Denver Section Chair (2009)

SERVICE:
- Jim has been a continuous IEEE Member, since 1970

TIMOTHY T. LEE
(Nominated by IEEE-USA)

Boeing Technical Fellow
The Boeing Company
Boeing Research and Technology
Los Angeles, California, USA
https://www.microwaves.guru

Meet Tim by watching a brief video on the IEEE Annual Election website at www.ieee.org/elections or scan the QR code.

Lee

Timothy Lee is a Boeing Technical Fellow based in Southern California. He leads the development of disruptive microelectronics technologies for advanced communications networks and sensor systems for airborne and space applications. His research interests include 3D Heterogenous Integration (3DHI) technologies for chiplet/wafer stacking of digital/analog/RF silicon/III-V devices for high-performance, and low-power microelectronics for aerospace and defense application. He is principal investigator for the transition of IRAD, CRAD and university Lab to Fab research into technologies for defense systems. During his over 40 years of experience, he has held technical/managerial positions at research facilities, aerospace companies, and semiconductor foundries. He has led development of hardware for satellite communications and has built phased-array antenna electronics for commercial and US government customers. Lee has authored over 30 journal and conference papers. He holds SMEE and SBEE degrees from MIT and a master's degree in system engineering from University of Southern California.

Statement

The top challenge for IEEE-USA is the continued decline of higher-grade membership, which has resulted in the recent Regions realignments and financial hardships. The $52B US CHIPS and Science Act, signed into law in 2022, represents a generational opportunity for the country to re-establish technical and economic leadership, to benefit economic growth, job creation, US-based supply-chains and most importantly to strengthen national security. IEEE-USA, working with other OUs, should be the trusted partner supporting the semiconductors engineering ecosystem. As a recognized microelectronics expert with exceptional relationships with the relevant stakeholders in industry, academia, and government, my goal is to make IEEE relevant for next-generation of US-based students, YPs and professionals.

As change-agent, I will:

- Achieve through innovation IEEE-USA's mission and vision to be the voice of members, technical professionals, and the public in the U.S.
- Establish a one IEEE CHIPS Act strategy with representation across all major OUs.
- Direct IEEE-USA's three divisions to develop CHIPS Act initiatives.
- Engage with microelectronics stakeholders in industry, academia, and government to offer opportunities toward satisfying career paths in microelectronics design, fabrication, test, and packaging in under-served communities.
- Direct MGA US Directors to develop connections with Regional hubs, organize job fairs and YP/WIE events with local employers.

IEEE Accomplishments and Activities
(S'77-M'79-SM'03-LS'22)

ACCOMPLISHMENTS:
- Guided IEEE organization through the COVID-19 pandemic.
- Collective efforts led to successful MGA Region Realignment proposal.
- Launched Region 6 IEEE MOVE West and DEI initiatives.
- Co-Chaired FDC IEEE Future Networks Technical Initiative (FNI) and transitioned to a Technical Community.
- Co-Chaired Roadmaps for IEEE HIR and FNTC INGR.
- Led IEEE 3I, HAC, SIGHT programs for a sustainable future.

IEEE Activities
Boards/Committees:
- IEEE-USA Board of Directors, 2021-2022
- IEEE Industry Engagement Committee, 2021-Present
- IEEE-USA CHIPS Industry Roundtable
- IEEE Foundation 50th Anniversary Committee
- IEEE-USA MOVE Program Leadership Team, 2021-Present
- IEEE App Working Group, 2021-Present
- IEEE New initiatives Committee, 2021-2022
- IEEE Humanitarian Committee, Projects, 2018
- IEEE SIGHT Chair, 2017
- IEEE Internet Initiative (3I) Adhoc Committee, of Internet Inclusion Chair, 2015-2017

TAB:
- IEEE Future Networks Technical Community, Vice-Chair, 2022-Present
- IEEE Future Networks Initiative, Co-Chair, 2017-2022
- TAB Adhoc on Data Product Strategy, 2022-Present
- IEEE Technical Activities Board, 2015

SOCIETIES: (MTT-S, COMSOC, EP-S, AP-S, AESS, SSCS)
- MTT-S
  - President, 2015
  - AdCom, 2006-2017
  - Chair: IMSEC, Strategic Planning, Budget, SIGHT, Electronics Communications, FDC-5G
  - Journal Reviewer, T-MTT, MWTL
  - Technical Committees: Millimeter-wave Circuits, Microwave Packaging, Microwave Aerospace Systems
  - Walter N. Cox Award, 2006
- EP-S
  - Co-Chair: Heterogenous Integration Roadmap (HIR) TWGs for Aerospace & Defense and 5G, 2017-Present
- COMSOC
  - Co-Chair: International Network Generations Roadmap (INGR) TWG, 2018-Present

MGA:
- MGA Operations Committee, 2021
- MGA Strategic Planning Committee, 2019

REGION:
- Region 6 Director, 2021-2022
- IEEE Region 6 Industrial Engagement Chair, 2023
- IEEE-USA MOVE West Coordinator, 2022-Present
- R6 Secretary and Electronics Communications, 2018
- IEEE R6 Conference Keynote Speaker: Rising Stars and GHTC

SECTION:
- Los Angeles Coastal LA Section
  - MTT-S Chapter Chair, 2003-2005
  - Student Activities Chair, 2009-2015

CONFERENCES:
- IEEE MILCOM Technical Program Committee, 2023
- IEEE Future Networks World Forum, 2018-Present
- IEEE 2020 International Microwave Symposium General Chair
- IMS Steering Committee and TPC, 2000-Present
- IEEE HIR Symposium, 2017-Present

WINNIE YE
(Nominated by IEEE Women in Engineering)

Professor
Carleton University
Ottawa, Canada
http://SiPhotonics.carleton.ca

Dr. Winnie Ye is a full Professor in the Department of Electronics at Carleton University and a Fellow of the Engineering Institute of Canada (EIC). Her expertise is in silicon photonics and its applications in telecommunications, data communication, biophotonics, and renewable energy. Dr. Ye received her B.Eng. (Carleton), M.A.Sc. (Toronto) and Ph.D. degree (Carleton), in 2000, 2002, 2007, respectively. She won the prestigious 2021 IEEE MGA Leadership Award, and Partners In Research's 2020 National Technology and Engineering Ambassador Award. She is the recipient of the 2018 IEEE Women in Engineering (WIE) Inspiring Member of the Year Award, 2018 Engineering Medal for Research and Development from the Ontario Professional Engineers (PEO), the PEO Ottawa Chapter's Engineering Excellence Award, as well as two University Research Excellence Awards. She has been the IEEE Canada WIE elected Chair since 2021, and served as the IEEE Ottawa WIE Affinity Group Chair from 2012 to 2020.

Statement

I would like to serve as the WIE Chair-Elect to further promote achievements of women professionals in fields of interest to IEEE. If elected, I will promote industrial participation in all professional activities (conferences/workshops/seminars/webinars) to further increase the presence and impact of WIE. I will also encourage collaboration with other Groups, such as Young Professionals, Student Branches and Life Members to allow a sustainable growth of WIE. Joint organization of programs, journals, and conferences would offer new opportunities to grow and to increase awareness for WIE. One of my top priorities will be the recruitment of new and retention of our existing members. I will focus on the promotion of the scholarships and awards to recognize our outstanding members and to inspire new members to join our diverse community. Let's work together to build a welcoming IEEE WIE platform to promote, advance and empower women in the workplace and community.

IEEE Accomplishments and Activities
(GSM'06-M'10-SM'12)

IEEE Awards
- 2022 IEEE Ottawa Outstanding Volunteer Award

- 2021 IEEE MGA Leadership Award
- 2018 IEEE WIE Inspiring Member of the Year Award
- 2020 IEEE Canada Exemplary Large Section Award (Chair, Ottawa Section)
- 2017 Outstanding IEEE Ottawa Section Affinity Group of the Year Award (Chair, WIE Ottawa)
- 2015 IEEE Photonics Society (PHO) Chapter of the Year Award (Vice-Chair, PHO Ottawa Section)

IEEE Activities

Committees/Boards
- 2020 and 2023 IEEE Sections Congress, Local Organizing Committee Chair
- 2021-Present, IEEE Canada (Region 7) WIE Chair
- 2021 Member, IEEE Canada Board of Directors
- 2021 Chair, IEEE Canada Members Services Group Committee

Societies/Chapters
- 2021-Present, Chair, IEEE Ottawa PHO
- 2020-Present, Faculty Counselor, IEEE Carleton University Student Branch
- 2015-2021 Vice Chair, IEEE Ottawa PHO
- 2019-2020 Chair, IEEE Ottawa Section
- 2012-2020 Chair, IEEE Ottawa WIE
- 2013-2014 Secretary, IEEE Ottawa PHO

Conferences/Summits
- 2023 Chair, International IEEE WIE Forum for Leaders
- 2012-2023 Lead organizer of 20 IEEE Ottawa WIE/PHO Chapter Technical Seminar series
- 2022 Chair, IEEE WIE International Leadership Summit (ILS) - Toronto
- 2022 Lead organizer, IEEE WIE R7 Global Marathon: Spanning the Globe with 25 Years of WIE
- 2021 Lead organizer, WIE panel on "Awards Applications and Membership Advancements" at IEEE CCECE'21
- 2021 Lead organizer, Panel discussion on "Career Transitions" at IEEE WIE ILC'21
- 2012-2014, 2018-2019 Invited speaker, IEEE WIE Wine and Cheese Social
- 2018 Invited speaker, Advancing New Canadian Women in Technology (ANCWT)
- 2017 Lead organizer and panelist, "Forum for Women in Photonics" at the Photonics North (PN'2017)
- 2016 Panelist, "WIE Discussion", at the IEEE EMBS International Student Conference (ISC) 2016, promoting EDI
- 2012 Panelist, "Connect, Communicate, and Collaborate with WIE" at IEEE ICC 2012
- 2012 Keynote Speaker, IEEE International Student Professional Awareness Conference
- 2011 Invited speaker, IEEE Ottawa Section "Beyond Engineering" Seminar Series

CINZIA DA VIÀ
(Nominated by IEEE Women in Engineeering)

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://cinziadavia.org/

Cinzia Da Già 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 and is one of the discoverers of the radiation hardness properties of silicon sensors at cryogenic temperatures (Lazarus Effect). She is presently working on quantum imaging for biology applications and is the Independent Committee co-chair of the EU ATTRACT Initiative which support innovative radiation imaging technology research projects in Europe. She is the Chief Editor of the *Frontiers in Physics, Radiation Detectors and Imaging Journal* and a member of the Technology and Innovation Group of the European Physical Society. She has co-authored more than 900 papers and one book on 3D-radiation detectors.

Statement

Interacting with WIE members all over the world during the 25th Anniversary Celebrations was an incredible experience. I will never stop being marveled by the creativity, enthusiasm, strength, and energy of the women I met within WIE. Together we created new bridges and gave new dimensions to networking, to the implementation of new ideas and to the active promotion of women's scientific recognition. As Chair-Elect, I would continue this journey together with as many WIE members, students, and young professionals as possible to explore additional ways to collaborate, contribute and grow together. We are currently facing many challenges in the world where women are directly involved and should actively contribute in finding technical solutions. Climate change is one of them. WIE should become an asset within IEEE in strengthening cooperation among societies and councils, making trans-disciplinary actions a reality, and consolidating the equal, diverse, and inclusive dimension of our society.

IEEE Accomplishments and Activities
(A'04-M'05-SM'20)

- IEEE Senior Member
- IEEE Nuclear Plasma Sciences Society (NPSS) Marie-Sklodowska-Curie Awards Committee, 2019-2022
- IEEE NPSS 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
- NPS-Liaison Representative, Women in Engineering, 2017-2022
- IEEE Annual Election Candidate for IEEE Women in Engineering Committee Chair-Elect, 2021
- NPS-Functional Committee Chairpersons, Women in Engineering, 2017-2022
- IEEE NPSS RITC Committee Member, 2015-2017 and 2021-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
- TAB Awards and Recognition Committee, Corresponding Member NPSS, 2022
- TAB Strategic Planning Committee, Corresponding Member NPSS, 2022
- TAB Climate Program, Corresponding Member NPSS, 2021-present
- 2022 Recipient, IEEE WIE Committee Outstanding Volunteer of the Year Award

Thank you for participating in the IEEE Annual Election.

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