

2022 IEEE Annual Election

IEEE Constitutional Amendment,
Candidate Biographies and Statements



www.ieee.org/elections



Instructions to IEEE Voting Members

Please Read Instructions Carefully Before You Vote

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

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

- 1. Electronic Transmission:** Voting materials for the annual election are available online at the IEEE website www.ieee.org/elections. To be authenticated electronically, please use your IEEE Account username/password or use the Control Number and E-signature provided or scan the QR code on your paper ballot.
- 2. Paper Returns:** Please sign your ballot. Unsigned (blank) paper ballots do not count as valid votes. Ballots not signed in the signature box on the upper portion of the ballot form do not count as valid votes. The upper portion of the form will be detached after validation and prior to tabulation of the vote by the election vendor.
- 3. Ballot Marking:** Vote for the candidate of your choice in each category indicated on the form by marking an in the corresponding box to the LEFT of the name. **Any mark made in a box will count as a valid vote. If a mark is NOT made in the box to the left of the name, or if the box is circled without an , it will NOT count as a valid vote. In order to nullify a vote that has been cast in error, the candidate's name AND check-off box should be crossed out completely. If a mark is made in more than one box it will not be counted as a valid vote.**
- 4. IEEE Constitutional Amendments:** Indicate on the form by marking an in the corresponding box to the left of FOR or AGAINST. Ballots marked neither FOR nor AGAINST the proposed amendments will not be counted as votes.
- 5. 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 2022, elections are only being conducted in the following Divisions and Regions: Divisions I, III, V, VII and IX for Delegate-Elect/Director-Elect and Regions 2, 4, 6, 8, and 10 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 2022. Elections are also being conducted in all Regions for IEEE Standards Association (IEEE-SA) Board of Governors Members-at-Large. IEEE officer position descriptions are available online at the IEEE website www.ieee.org/elections

NOTE: The 2023 IEEE President-Elect will become IEEE President in 2024.

- 6. Deadline for Ballot Receipt: Only ballots received by 12 Noon, Eastern Time USA (16:00 UTC) on 3 October 2022 will be counted.** Access and return ballot electronically or mail early to allow for delivery by the deadline date.

IEEE Constitutional Amendments

Constitutional Amendments may be placed on the annual election ballot by the IEEE Board of Directors or by member petition. The adopt an amendment, an affirmative vote of at least two-thirds of all ballots cast is required, provided the total number of those voting is not less than ten percent of all IEEE's members who are eligible to vote.

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 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.

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The 2022 IEEE annual election ballot includes an IEEE Board of Directors proposed amendment to the IEEE Constitution, Article XIV - Amendments for approval by the IEEE voting members.

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.

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This amendment was placed on the IEEE Annual Election ballot by the IEEE Board of Directors.

Side By Side Comparison of Only Those Sections To Be Changed

Additions

Deletions

CURRENT IEEE CONSTITUTION	PROPOSED IEEE CONSTITUTION
ARTICLE XIV - AMENDMENTS	ARTICLE XIV - AMENDMENTS
<p>Sec. 1. Amendments to this Constitution shall be made by a vote of the voting members. They may be proposed by the Board of Directors or by petition. A resolution adopted by vote of at least two-thirds of those present at a regularly constituted meeting of the Board of Directors is necessary to submit a proposed amendment to the voting members. A petition must be signed by at least one-third percent of the total number of voting members as listed in the official membership records of the IEEE at the end of the previous year, but in no case shall the number be less than one hundred. A copy of such proposed amendment or amendments, if lawful, shall be distributed to each voting member at least sixty days before the date designated for counting the votes. Voting shall be in accordance with the Bylaws.</p>	<p>Sec. 1. Amendments to this Constitution shall be made by a vote of the voting members. They may be proposed by the Board of Directors or by petition. A resolution adopted by vote of at least two-thirds of those present at a regularly constituted meeting of the Board of Directors is necessary to submit a proposed amendment to the voting members. A petition must <u>meet two requirements: a petition must be signed by at least one-third of one percent (0.333%) of the total number of IEEE voting members in each Region; and at least one percent (1%) of the total number of IEEE voting members,</u> as listed in the official membership records of the IEEE at the end of the previous year, but in no case shall the number be less than one hundred. A copy of such proposed amendment or amendments, if lawful, shall be distributed to each voting member at least sixty days before the date designated for counting the votes. Voting shall be in accordance with the Bylaws.</p>

Visit the IEEE Annual Election website (www.ieee.org/elections) for:

- Marked version of the IEEE Constitution indicating all additions and deletions
- Updated version of the revised IEEE Constitution if adopted

IEEE Board of Directors' Statement

IEEE's Constitution is IEEE's highest-level governance document that affects all Members and rarely should change. It only takes 0.333% of the total number of voting members to add a member-initiated petition to the annual ballot – fewer than the candidate petition requirement. This proposal to change the member-initiated constitutional amendment petition requirement, if adopted, establishes greater member support for member-initiated petitions before ballot placement and enhances Membership's global voice in proposing constitutional changes.

Proposal: increase the total number of voting members required from 0.333% to 1% and add a 0.333% voting member requirement for each Region.

Specifically, this modification:

- Modernizes requirements, originally created in 1963 for a very different IEEE.
- Increases requirements to be closer to, but fewer than, endorsement levels for candidate petitions.
- Recognizes that constitutional amendments should be rare, while candidate petitions are quite common.
- Ensures member-petitions to change IEEE's Constitution receive a minimal level of support for the initiative throughout IEEE before ballot placement.
- Reflects IEEE's international scale and geographic diversity.
- Preserves Members' rights to propose constitutional changes.
- Protects IEEE and its Members from a governance vulnerability created by excessively low endorsement requirements and absence of minimal support across Regions.
- Adapts to electronic endorsement capabilities for member-initiated petitions.

The IEEE Election Oversight Committee and the IEEE Governance staff assisted IEEE-moderated forum participants in Collabratec® in reaching a consensus *in support* statement and a consensus *in opposition* statement. Two members agreed to serve as the lead advocates and authored the *in support* and *in opposition* statements.

The *in support* and *in opposition* statements are presented as submitted by the lead advocates to accompany the proposed amendment on the IEEE Annual Election Ballot.

Member discussion forum is available in Collabratec® at <https://www.ieee.org/constitutional-amendment-forum>.

In Support Statement

The proposed amendment reflects changes in IEEE membership and in the emergence of global electronic communications. In 1963 IEEE had 150,000 members, 93% of which were in today's Regions 1-6 in the U.S., and electronic communications were almost non-existent. Today IEEE has over 400,000 members, with approximately 1/3 in Regions 1-6, 1/3 in Region 10, and 1/3 in Regions 7, 8, and 9, and global, personal electronic communication is instant and ubiquitous. Given the evolution of global membership distribution and the enablement of electronic communications and IEEE electronic petitions, IEEE is today able to ensure equity across all Regions and encourage deeper membership engagement through the requirement that every Region have a voice in proposed constitutional changes, without the great burden of collecting paper signatures. The proposed amendment ensures that future proposed constitutional changes reflect global member interests in a global organization, encourages professional collaboration across regional boundaries, and results in a more balanced, equitable, and scalable IEEE that will keep pace with change, both in global membership and relevant technologies, and continue to support the careers and technical lives of our members.

In Opposition Statement

The IEEE Board of Directors (BoD) is correct to assert that “IEEE’s Constitution is IEEE’s highest-level governance document that affects all Members and rarely should change.” As such, no change should be made unless substantial evidence is provided that the Constitution has a critical flaw that needs fixed. Such evidence was not provided, and so the proposed amendment should be rejected.

No evidence was provided that the current Constitution is resulting in a large number of member-initiated petitions. If such petitions are currently rare, then the proposed amendment to make the requirements much more onerous will make it impossible for a member to bring an amendment to the ballot.

The proposed amendment will require collecting over 3000 signatures, which is nearly impossible given the time required to locate, contact, communicate with, and discuss with so many members. The proposed 0.333% requirement per region will make member-initiated petitions impossible, given the broad geographical locations and the wide variety of languages spanned in the countries covered in the regions. To place an amendment on the ballot would require such an extensive investment in time and finances that only the very rich would have a chance of bringing an amendment to the ballot.

For IEEE President-Elect, 2023 IEEE President, 2024



THOMAS M. COUGHLIN, Ph.D.
(Nominated by IEEE Board of Directors)

President
Coughlin Associates, Inc.
San Jose, California, USA
<https://iee.org/pe23/coughlin>



Meet Tom by watching a brief video at <https://iee.org/pe23/coughlin> or scan the QR code.

Tom has worked 40+ years in the digital storage industry as an engineer, engineering manager and senior executive. His company produces reports on digital storage and applications and provides industry consulting services. He founded and organizes major storage and memory industry events and is a frequent invited speaker. His regular column for *Forbes.com* covers storage and memory trends. Tom published >500 articles, book chapters, reports, and a book. He has 6 patents. He has a Physics BS, an Electrical Engineering MS (from UMN), and an Electrical Engineering PhD (Shinshu University, Japan). Tom is an IEEE Life Fellow, has three years on the IEEE Board, and is a member of HKN. He has a long history of diverse IEEE leadership and is active in SNIA and SMPTE. He received an MGA Leadership Award in 2020. He was IEEE-USA President, Region 6 Director and Chair of the Silicon Valley Section.

Statement

As IEEE President, I will utilize my leadership experience inside and outside of the IEEE to encourage collaboration/innovation, increase our external impact and general public awareness, while advancing technology for the benefit of humanity. I support a member-led organization and open discussion. IEEE must be a representative and inclusive global organization.

I will focus on three goals as President: a) Increase our engagement with and enhance the value of IEEE membership for all member grades; b) create greater linkages and partnerships across the IEEE and outside to increase our public impact, create new and valuable IP, and to address pressing problems such as Climate Change; and c) ensuring that we create a vibrant and safe environment that supports our diverse members.

a) We must do better outreach to students on the value of a professional

home, understand the needs of YPs and create personalized products and services that meet our member's needs. We must help our members achieve senior membership and recognize/reward our heroes.

- b) We must help IEEE members with similar interests/activities to find and work with each other. We must create partnerships with non-IEEE organizations, (e.g. government, industry and entrepreneurs), create innovative IP and revenue offerings, and address big problems and opportunities.
- c) IEEE is a diverse organization; true wisdom has multiple sources. **Let's leverage our diversity of experience and work together to make IEEE a thriving home for all the world's technical professionals!**

Please vote in the IEEE election and consider voting for me as your President.

IEEE Accomplishments and Activities

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

MAJOR CONTRIBUTIONS

- As IEEE-USA President, created professionally produced videos featuring diverse IEEE YP members, used for the 2021-2022 membership campaigns as "IEEE is my professional edge."
- Chaired a 2019 IEEE board committee on membership price. In 2020, the IEEE board lowered student membership price by 50%, informed by the committee report.
- While IEEE Region 6 Director, I co-founded the IEEE Rising Stars Conference, promoted joint region meetings, promoted/participated in local section expired member outreach, leading to a 2% recovery increase, and created stronger industry connections.
- As SCV Section Chair and Chair of the SFBAC I proposed and was general chair of the 2011 Sections Congress in San Francisco
- I have been an active participant/leader in many IEEE Future Directions and Industry Engagement initiatives

IEEE POSITIONS

Major positions

- IEEE President-Elect Candidate (2021)
- President, IEEE-USA (2019)
- Region 6 Director (2015-2016)
- IEEE New Initiatives Chair (2020, member 2017-2021)
- IEEE Public Visibility Chair (2016, member 2014-2016)

Major IEEE Committees/Boards

- Member, Industry Engagement (2021-2022 & 2017-2018)
- Sustainability (2021-2022)
- HKN Strategic Planning (2019-2020)
- Strategy and Alignment (2020)
- VP, IEEE-USA Professional Activities (2016-2017)
- Chair, MGA Global Opportunity (2015-2016)
- Infrastructure (2014-2015)

Region/Section

- Region Vitality Chair (2013-2014)
- Region 6 Central Area Chair (2008-2009)
- SCV Section Chair/Vice-Chair/Treasurer (2005-2007)
- Chair IEEE SFBAC (2007)
- Trainer, SFBAC Leadership Training (2007-2022)
- Chair/Board, Consultants Network of Silicon Valley (2016-2022)
- Founder/Chair SCV SSIT Chapter (2020)

Society

- VP Operations and Planning, CESoc (2010-2012)
- Vice-Chair, Standards, CTSoc (2020-2022)
- Chair, Future Directions, CESoc (2013-2020)
- Member, CESoc AdCom (2007-2012 & 2014-2019)
- Membership Chair, CESoc (2010)
- Distinguished Lecturer, CESoc (2008-2012 & 2015-2016)
- Chair, Strategic Plan, CESoc (2011-2012)
- CESoc Finance (2010-2012)

Publications/Conferences

- Senior/Associate Editor, *Transactions on Consumer Electronics* (2015-2022)
- Senior Editor, *Consumer Electronics Magazine* (2010-2021)
- Chair positions: Sections Congress, SAMP Workshops, GHTC, IGIC, ICCE, TMRC, ICF
- Program committees: TTM, GHTC, TMRC, various CTSoc conferences
- Frequent blogs/articles as R6 Director, IEEE-USA President

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For IEEE President-Elect, 2023 IEEE President, 2024



MAIKE LUIKEN, PhD, SMIEEE, IEEE-HKN, FEIC
(Nominated by IEEE Board of Directors)

Founding Shareholder
Carbovate Development Corp.
Sarnia, Ontario, Canada
<https://iee.org/pe23/luiken>



Meet Maïke by watching a brief video at <https://iee.org/pe23/luiken> or scan the QR code.

Maïke Luiken is the 2022 IEEE Past Chair of the IEEE Member & Geographic Activities (MGA) Board. She is managing director, R&D, at Carbovate, and Adjunct Research Professor at Western University, Canada.

Maïke's career spans academia and industry: from professor to leading the Bluewater Sustainability Initiative, 2006-2013, founding Director, Lambton Manufacturing Innovation Centre, eight years as Dean, Lambton College, with several portfolios: School of Technology, Sustainable Development, and Applied Research. Her strategic leadership and vision led to Lambton College becoming one of the three top Research Colleges in Canada.

Her experience includes serving on multiple Boards of Directors: IEEE, Sarnia Lambton Chamber of Commerce, Nano Ontario, working on three continents and obtaining degrees from the Technical University of Braunschweig, Germany, and the University of Waterloo, Canada.

She is an advocate for sustainable development and is driven to develop and leverage technology to aid global societies achieve a more sustainable planet.

Statement

IEEE members, you are at the forefront of science, technology, and applications development. You are vital to meeting our evolving technological and societal challenges - enabling a sustainable future for all.

Humanity is facing critical challenges:

- Impacts and growing severity of Climate Change,
- Imbalance of access to resources around the globe as expressed through the UN Sustainable Development Goals (SDGs),
- Healthcare technology challenges as evidenced by the Pandemic.

Our responsibility is to enable and develop technical solutions - locally appropriate solutions - share information and knowledge and thought leadership to build our envisioned future.

I commit to support you, the IEEE member, the IEEE volunteer, and our IEEE community by:

- Creating IEEE opportunities to devise technical solutions addressing global and local challenges,
- Practicing 'Diversity, Equity, and Inclusion',
- Enabling great IEEE volunteer/member experiences.

I commit to the organization to:

- Grow IEEE's global impact through increasing collaborative and partnering activities between industry, business, organizations, academia and the IEEE to achieve our common goal: a sustainable planet,
- Establish IEEE as the pre-eminent technical solutions provider for climate change and sustainable development,
- Optimize IEEE operations.

I commit to:

- Fully support and encourage IEEE's engagement providing technical solutions to the UN SDGs and to mitigation and adaptation to address the impacts of climate change, and build a 'global digital technical knowledge commons'.

We, the IEEE members, represent immense human capital. Sharing our ideas, experiences, know-how, knowledge, engaging with others - together we can and will provide technical solutions to our local and global challenges.

IEEE Accomplishments and Activities

(S'84-M'99-SM'04)

MAJOR ACCOMPLISHMENTS

For all accomplishments I gratefully acknowledge the collaboration and support from many fellow volunteers and staff members; so many have been instrumental to my being able to be a catalyst of change.

IEEE-level:

- Championing 'Local Groups' to encourage member and non-member engagement
- Co-leading Sustainable Development Joint OU Activities, raising cooperation across
 - IEEE and outside IEEE
- Leading 'Planet Positive 2030' Initiative
- IEEE Internet Initiative Policy Track Chair
 - Five position statements approved by IEEE Board

Region 7:

- Streamlined award/volunteer nomination processes
- Region committee restructuring
- Proposed framework for GSM member grade
- Contributed significantly to streamlining MGA student awards
- Initiated negotiations for "IEEE Canada-TELUS Innovation Award" student competition funded by TELUS: 50,000 CAD/annum/5-years

London Section:

- Led revitalization, 2006-11
- Organized ~80 seminars/sustainability, 2006-13

Awards:

- MGA Leadership Award, 2013
- R7 Broughton Award, 2011

As Chair of Ottawa and London Sections, the Sections received:

- RAB Outstanding Large Section Award, Ottawa, 2005
- MGA Outstanding Small Section Award, London, 2011

IEEE ACTIVITIES

COMMITTEES/BOARDS:

- MGA Past-VP, Past Board Chair, 2022
- Chair, MGA Strategic Planning, 2022
- MGA VP, Board Chair, 2021
- IEEE Board of Directors, 2018-19/2021
- Chair, IEEE BoD Ad-Hoc, Membership and Dues, 2021
- IEEE App Working Group, 2019-22
- IEEE Joint OU Sustainable Development Ad-Hoc, 2021-22
- Chair, MGA OpCom, 2020
- Co-Chair, MGA/SA/TA Sustainable Development Ad-Hoc, 2020
- TAB/MGA Ad-Hoc Geographic/Technical Activities, 2020
- IEEE BoD Ad-Hoc, New Membership Models/Opportunities, 2019
- Chair, Policy Track, IEEE Internet Initiative, 2017-18
- MGA GUOS, 2018
- MGA MBPAC, 2016-17
- MGA Strategic Direction/Environmental Assessment, 2014-15

REGIONS:

- R7 Director/Delegate, IEEE Canada President, 2018-19
- R7 Student Activities Chair, 2003-04, 2012-14
- Director, IEEE Canadian Foundation Board, 2010-13, 2020-22

London Section:

- Chair, 2006-11
- Founding Chair, WIE, Gold, 2010, PES Chapter, 2010-15

Ottawa Section:

- Chair, 2005
- Student Branch Counselor, 1997-03

SOCIETIES:

- PES Climate Change Technology Group, 2009-14

CONFERENCES:

- Chair, EPEC 2012, 2015

MEMBERSHIPS:

- IEEE-SA, PES, ComSoc, IAS, PELS, YP, WIE

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For IEEE President-Elect, 2023 IEEE President, 2024



KAZUHIRO KOSUGE, Ph.D.

(Nominated by Petition)

Chair Professor of Robotic Systems
The University of Hong Kong
Electrical and Electronic Engineering
Hong Kong

<https://iee.org/pe23/kosuge>



Meet Kazuhiro by watching a brief video at <https://iee.org/pe23/kosuge> or scan the QR code.

Kazuhiro Kosuge, Professor Emeritus of Tohoku University, is Chair Professor of Robotic Systems at the University of Hong Kong's Electrical and Electronic Engineering Department. He has been conducting robotics research for more than 35 years, published more than 390 technical papers, and obtained more than 70 patents, which have been transferred to industries.

He has held several IEEE leadership positions including 2020 Vice President of Technical Activities, 2015-2016 Division X Director, and 2010-2011 President of the Robotics and Automation Society. He has also served in several roles in Japan including Science Officer of the MEXT's Research Promotion Bureau (2010-2014), and Senior Program Officer of Research Center of Science Systems of JSPS (Japan Society for the Promotion of Science) (2007-2010).

Honors include the purple-ribbon Medal of Honor in 2018 in the name of the Emperor of Japan and the 2021 IEEE RAS George Saridis Leadership Award in Robotics and Automation.

Statement

Through my life-long experience with IEEE, I learned the importance of the diversity of Societies/Councils, the diversity of Technical Activities, the diversity of the geographic Regions, and the diversity of IEEE members. I also learned the importance of integrating various activities to advance the mission of IEEE.

The diversity in IEEE has been enriching our activities and has been the foundation of the IEEE's strength. Meeting the diverse needs makes IEEE a

unique and resilient global organization. IEEE is a membership-driven not-for-profit organization and can do what ordinary for-profit organizations could not do.

If elected,

- I will promote geographic technical activities to meet geographic needs in emerging fields and provide them with connections to the IEEE by exploring the potential of geographic technical activities and technical communities.
- I will promote products and services meeting the needs of regions/countries, which include the translation service of IEEE *Xplore* contents as a sustainable and scalable business. The final goal is to benefit members whose native languages are not English, to access products and services in their native languages by utilizing recent machine translation technology.
- I will enrich the content for life-long learning and continuing education relevant to industry members, especially in emerging countries and regions by further exploring the potential of IEEE Academy including expanding IEEE Academy in local languages with IEEE member volunteers.

Let's work together to make IEEE a further global membership-driven technical organization.

IEEE Accomplishments and Activities

(M'87-SM'00-F'06-LF'22)

As RAS President (2010-2011), I implemented several new systems including significantly reduced RAS membership fees; and RAS fully sponsored Summer School. These contributed to a major growth of RAS membership (total RAS membership: 7,327, 9,627, and 15,837 in 12/2009, 12/2011, and 12/2021, respectively).

As Division X Director (2015-2016), I started Division X Dinner during the IEEE meeting series. This period was difficult for IEEE Directors because the Amendment to the IEEE Constitution and Bylaws was discussed but not favored by the majority of members. The Dinner with invited IEEE leaders helped the members to better understand the proposal and decide how to vote.

As 2020 VP Technical Activities, I established the TAB Ad Hoc Committee on Accelerate Localization/Globalization of Technical Content. Their fruitful work was succeeded by the 2021 TAB Ad Hoc Committee on Language Translation, and a NIC seed grant was awarded for its pilot activity "Testing of Language

Translation of IEEE *Xplore* Content.” The final goal is to benefit members, authors/readers, Societies/Councils, and in particular, practitioners in many parts of the world, whose native languages are not English, to read *Xplore* content in their native languages.

Board/Committees

- Chair, TAB SPC (2021)
- Vice President Technical Activities, IEEE Board of Directors (2020)
- Chair, TAB (2020)
- Chair, TAB Nomination and Appoint Committee (2019)
- Chair, TAB S/C Presidents Forum (2019)
- Member, IEEE SPC (2016)
- Division X Director, IEEE TAB, IEEE Board of Directors (2015-2016)
- Member, TAB (2010-2011)

Robotics and Automation Society (RAS)

- President (2010-2011)
- Chair, Long Range Planning Committee (2008-2009)
- Vice President for Member Activities (1998-2001)
- General Chair, 2015 IEEE International Conference on Mechatronics and Automation
- General Chair, 2009 IEEE International Conference on Robotics and Automation
- General Chair, 2004 IEEE/RSJ International Conference on Intelligent Robots and Systems
- Secretary, 1995 IEEE International Conference on Robotics and Automation

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For IEEE President-Elect, 2023 IEEE President, 2024



KATHLEEN A. KRAMER, PhD

(Nominated by IEEE Board of Directors)

Professor
University of San Diego
San Diego, California, USA
<https://ieeepresident.org/pe23/kramer>



Meet Kathleen by watching a brief video at <https://ieeepresident.org/pe23/kramer> or scan the QR code.

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 worked to develop new engineering programs as a founding member of the University of San Diego engineering faculty, eventually became the chair of electrical engineering, and then serving as Director of Engineering (2004-2013), providing academic leadership for all of the university's engineering programs. She maintains an active research agenda in the areas of multisensor data fusion, navigation, and cyber security in aerospace systems. Author/co-author numerous publications, she is a Distinguished Lecturer for IEEE AESS and leads its technical panel on Cyber Security. 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 the California Institute of Technology.

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

roles in the IEEE – as each has brought with it the opportunity to partner across the IEEE while working with inspirational and effective leaders and volunteers, contributing 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 A. 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. She has been an active leader at the board level, as IEEE Secretary and Region 6 Director. She has led in Technical Activities as Vice President and member of Board of Governors of the IEEE Aerospace and Electronic Systems Society, and within and for our communities including Women in Engineering, Young Professionals, and Student Activities. Some recent highlights:

- 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 Director of IEEE Region 6 (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, partnering to advance Student Activities, Young Professionals and Women in Engineering.

Championed collaborations across regions, contributing Public Visibility as a signature major initiative.

- As a leader within the IEEE Aerospace and Electronic Systems Society, served as Vice President of Education (2016-2018), Board of Governors (2013-2018, 2020-2022), Chair of the Cyber Security Technical Operations Panel (2017-2022) and Conference Chair for the IEEE/AIAA Digital Avionics Systems Conference (2017).
- 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

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For IEEE Division Delegate-Elect/Director-Elect, 2023
IEEE Division Delegate/Director, 2024-2025
IEEE Division I (CASS, EDS, SSCS)



SAMAR K. SAHA
(Nominated by IEEE Division I)

Chief Scientist
Prospicient Devices,
Milpitas, California, USA; and
Adjunct Faculty, Electrical Engineering Department
Santa Clara University
Santa Clara, California, USA

Samar Saha has served as the 2016-2017 President of the IEEE Electron Devices Society (EDS). Currently, he is the Chief Scientist at Prospicient Devices and an Adjunct Professor in the Electrical Engineering (EE) department, Santa Clara University, California, USA.

Since 1984, he has worked in various technical and management positions at National Semiconductor, LSI Logic, Texas Instruments, Philips Semiconductors, Silicon Storage Technology, Synopsys, DSM Solutions, Silterra USA, and SuVolta. In academia, he was an EE faculty at Southern Illinois University, Carbondale; Auburn University; the University of Nevada, Las Vegas; and the University of Colorado, Colorado Springs.

He has authored over 100 research papers; two books, entitled, *FinFET Devices for VLSI Circuits and Systems* (2020) and *Compact Models for Integrated Circuit Design: Conventional Transistors and Beyond* (2015); one book chapter on Technology Computer Aided Design; and holds 12 US patents. He is the recipient of 2021 *IEEE EDS Distinguished Service Award*.

Statement

As the Division-I Delegate/Director, I will execute my commitment to the IEEE and Division-I Societies/Councils (S/Cs) and facilitate opportunities for S/C volunteers to grow and contribute to IEEE to their fullest extent. With the help and cooperation of volunteers, I am committed to strategically position the IEEE Division-I S/Cs at the frontiers of technical evolution by:

- Promoting global interdisciplinary engineering education and research by closely working with the Division-I S/Cs as well as IEEE/non-IEEE entities;
- Facilitating life-long career support and resources for members by ensuring interdisciplinary education programs to advance members' interests by establishing services in support of their professional growth; encourage inter-society cooperation within Division-I through synergistic actions, collaborative events, and joint activities; and create member benefits to establish strong relationship with industry and practicing engineers;
- Increasing value of Division-I membership by adding benefits, features,

and access opportunities in all IEEE Regions globally and in emerging economies and facilitate career advancement for young professionals and women-in-engineering in their technical field-of-interest;

- Increasing visibility of Division-I membership and strengthening global opportunities.

IEEE Accomplishments and Activities

(M'91-SM'99-F'19-LF'21)

Committees/Board: IEEE Fellow Committee (2022); Technical Activities Board (TAB) Awards and Recognition Committee (2018); TAB Presidents Forum (2016-2017); TAB Periodicals Committee (2013-2014); Conference Publications Committee (2012).

Electron Devices Society: Governance: Senior Past President (2020-2021); Junior Past-President (2018-2019); President (2016-2017); President-Elect (2014-2015); Elected Member, Board of Governors (2009-2014); Publications Vice-President (2009-2013). **Committee Chair:** Fellow Evaluations (2020-2021); J.J. Ebers Awards (2020-2021); Nominations and Election (2018-2019); Awards (2018-2019); Celebrated Member Recognition (2016-2017); Young Professional Career Award (2014-2015); George Smith Award (2009-2013); Paul Rappaport Award (2009-2013); Compact Modeling Technical Committee (2005-2008); Regions 4-6 – North America West (NAW) (2008). **Representative:** Council of Electronic Design Automation, C-EDA (2005-2008).

Regions/Chapters: Santa Clara Valley/San Francisco (SCV/SF) Joint Section Chapter, ED15 Chair (2008); Vice-Chair (2007); Treasurer (2006-2007).

Conferences: Co-General Chair, 4th IEEE International Flexible Electronics Technology Conference (IFETC), 2022; Co-General Chair, IEEE 11th International Conference on Computer-Aided Design for Thin Film Transistor Technologies (CAD-TFT), 2020; Co-General Chair, IEEE 4th Electron Devices Technology and Manufacturing (EDTM) Conference, 2020; Co-Founder/Co-General Chair, 1st IEEE IFETC, 2018; Co-Founder/General Chair, 1st CAD-TFT International Workshop, 2008.

Publications: Head Guest Editor, *Journal of Electron Devices Society (J-EDS)* Special Section, vol. 9, 2021; Guest Editor, *J-EDS* Special Section, vol. 8, 2020; Guest Editor, *J-EDS* Special Section, vol. 7, 2019; Guest Editor, *IEEE Transactions on Electron Devices (T-ED)* Special Issue (SI), vol. 60, February 2013; Steering Committee Chair, *Journal of Micro-Electro-Mechanical Systems*, 2013; Head Guest Editor, *T-ED* SIs, vol. 56, September 2009; vol. 53, September 2006; Editorial Steering Committee, *IEEE Transactions on Semiconductor Manufacturing*, 2006-2008.

Major Accomplishments: Co-founded and launched 1st IEEE IFETC (2018); Launched 1st IEEE EDTM Conference (2017); Established 1st EDS CENTER OF EXCELLENCE (2017); Established EDS's first Five-year Strategic Planning (2017); Established five annual undergraduate fellowships and one annual Lester Eastman award (2019). Launched new periodicals: *IEEE Journal of Photovoltaics* (2011); *IEEE J-EDS* (2013).

For IEEE Division Delegate-Elect/Director-Elect, 2023
IEEE Division Delegate/Director, 2024-2025
IEEE Division I (CASS, EDS, SSCS)



YONG LIAN

(Nominated by IEEE Division I)

Professor
Department of Electrical Engineering & Computer
Science
York University
Toronto, Ontario, Canada
<https://lassonde.yorku.ca/users/peterlian>

Dr. Yong Lian received the B.Sc. degree from the College of Economics and Management, Shanghai Jiao Tong University in 1984, and the PhD degree from the Department of Electrical Engineering, National University of Singapore (NUS) in 1994. He spent 9 years in industry before joining NUS and became the first Provost's Chair Professor in the Department of ECE. His research interests are in the biomedical circuits and systems and signal processing. He has published more than 300 papers and won many awards including IEEE Circuits and Systems Society's Guillemin-Cauer Award (1996), IEEE Communication Society Multimedia Communications Best Paper Award (2008), the Institution of Engineers Singapore Prestigious Engineering Achievement Award (2011), CN Yang Award in Science and Technology for New Immigrant (Singapore, 2014), Design Contest Award in ISLPED 2015. He is a Fellow of IEEE, the Canadian Academy of Engineering, and the Academy of Engineering Singapore.

Statement

Division Director is a voice representing the interests of more than 30,000 members within the Division I to the IEEE Board of Directors and TAB. If elected, I will work with all societies and councils of Division I to:

- Enhance the value of IEEE membership by providing more resources and services to local chapters and student branches.
- Provide open access technical content to industry professionals and students on emerging topics.
- Promote collaborations and joint events of societies and councils within the Division to drive interdisciplinary research activities, and to share best practices across the Division for better growth.
- Engage young professionals and students by fostering teamwork between the Division and MGA and leveraging resources in MGA to reach out to young generations and nurture future leaders.
- Enhance diversity and inclusiveness through outreach programs for under-represented groups and regions, and women.
- Define new strategies in responding to Open Science and making IEEE a

leader in Open Science, especially on CCBY license compliance for self-archiving manuscript in a repository.

- Develop services and innovative solutions for post-pandemic lives.

IEEE Accomplishments and Activities

(S'91-M'95-SM'99-F'09)

As the Circuits and Systems Society (CASS) president, Lian was instrumental in steering one of IEEE's oldest Societies to broaden the technical coverage, especially in emerging fields, and provide better services to member through a series of new initiatives. In return, CASS membership increased by 6.6% and member retention rate went up by 5%, the best among all IEEE Societies in 2018, and hit 11-year high at the end of 2019. To help less developed countries, the society launched CAS Industry Tour in Latin America, African Workshop on Circuits and Systems, and CAS chapter networking sessions in Southeast Asia. At the Division-level, he promoted collaboration among societies and councils, leading to the first CASS and EDS joint conference LASCAS-LAEDC 2019 in Latin America, and joint seasonal schools with EDA and Nanotech Councils.

IEEE Boards/Committees:

- Member-at-Large, Publication Services and Production Board (PSPB), 2022
- Member, Technical Activities Board (TAB), 2018-2019
- Member, PSPB Publishing Conduct Committee, 2022
- Member, PSPB Strategic Planning Committee, 2022 and 2013-2015
- Chair, TAB Periodicals Partnership Opportunities Committee, 2019-2022
- Member, TAB Products and Services Committee, 2021-2022
- Member, TAB Periodicals Committee, 2019-2022
- Member, TAB Periodicals Review Advisory Committee, 2019-2022
- Member, IEEE Biomedical Engineering Award Committee, 2017-2020
- Member, IEEE Medal for Innovations in Healthcare Technology Committee, 2009-2012
- Member, IEEE Fellow Strategic Planning Sub-committee, 2022
- Member, IEEE Fellow Committee, 2020-2021 and 2016-2018
- Chair, TAB Ad Hoc Committee on Accelerating Partnerships with Chinese Publications, 2022

Circuits and Systems Society:

- Past President, President, President-Elect, 2016-2021
- Vice President - Publications, 2013-2015
- Vice President - Region 10, 2007-2008
- Editor-in-Chief, *IEEE Transactions on Circuits and Systems II*, 2010-2013
- *IEEE Transactions on Biomedical Circuits and Systems* Steering, 2007-2022
- *IEEE Transactions on Multimedia* Steering, 2013-2015
- Chair, DSP Technical Committee, 2010-2012
- Chair, Biomedical Circuits and Systems Technical Committee, 2008-2009
- General Chair, BioCAS2004/2009/2016, ISICAS2020, ASP-DAC2014
- Technical Program Chair, ISCAS2013/2018, BioCAS2006/2008, APCCAS2006/2014, DSP2015

For IEEE Division Delegate-Elect/Director-Elect, 2023
IEEE Division Delegate/Director, 2024-2025
IEEE Division III (Communications)



STEFANO BREGNI

(Nominated by IEEE Division III)

Professor
Politecnico di Milano
Dept of Electronics, Information and Bioengineering
Milano, Italy
<https://bregni-IEEE.deib.polimi.it>

Stefano Bregni is with Politecnico di Milano, Italy. He graduated in Electronics Engineering (1990). After nine years in Industry, he joined Politecnico in 1999. He contributed to ETSI/ITU-T Standards and is the author of 100+ papers and of a widely recognized book on network synchronization (Wiley, 2002). He is an active IEEE volunteer and has been a voting member of the IEEE Conferences Committee. In ComSoc, he served as Vice-President Conferences (2018-2021), Vice-President MGA (2014-2017), Board-of-Governors Member-at-Large (2010-2013), Director Education (2008-2011), TAOS TC Chair (2008-2009), Distinguished Lecturer (2003-2009). He is *Global Communications Newsletter* Editor-in-Chief.

He led several top ComSoc conferences, including: Technical Program Co-Chair or Vice-Chair of GLOBECOM 2023, ICC 2016, GLOBECOM 2012 and GLOBECOM 2009, Symposium Co-Chair in nine other ICC/GLOBECOMs, LATINCOM Steering Committee Chair.

He received the 2014 IEEE ComSoc Hal Sobol Award for Exemplary Service to Meetings & Conferences and the 2019 IEEE ComSoc/KICS Exemplary Global Service Award.

Statement

I have served as a tireless volunteer in IEEE ComSoc for 25 years, contributing concretely to conferences, member services, and technical activities. With my hard work and dedication, I have earned my renowned reputation demonstrating uncompromised ethical integrity, solid competence, strategic vision, creativity, problem solving skills, attention to globalization and inclusion.

IEEE is facing serious challenges, including: membership contraction, how to serve the different needs of its global diverse membership, open access publications, and the changing landscape of conferences, including online/hybrid events.

If elected, I will be honored to serve IEEE with my extensive experience acquired in ComSoc. My diverse background and leadership skills will allow me to understand IEEE challenges, bring new concrete ideas, and lead their implementation. My priorities will be reinforcing the diversity of IEEE global leadership and boosting the involvement of women, students, and young professionals in IEEE activities. As I

have demonstrated in ComSoc, I also commit to be actively engaged as Division III Director and move forward harmoniously with other volunteers for a stronger and healthier IEEE.

IEEE Accomplishments and Activities (M'93-SM'99)

Major Contributions

I have earned my reputation in the IEEE Communications Society for my prominent contributions to ComSoc conferences, globalization, and inclusion over 25 years of enthusiast volunteer service.

In the GLOBECOM/ICC Technical Content (GITC) Committee (2006-2010), I contributed to reshaping the technical structure of the ComSoc flagship conferences, leading the development and update of their standard review form and processes.

My history of technical leadership positions in ComSoc flagship conferences ICC/ GLOBECOM is unparalleled (Technical Program Co-Chair or Vice-Chair in four, Symposium Co-Chair in nine others).

With Nelson Fonseca, I co-founded (2013) and I am leading the *IEEE ComSoc Student Competition*, the main ComSoc program for students.

I have concretely contributed to ComSoc globalization and inclusion of Members in disadvantaged areas. In particular:

- As Editor-in-Chief, I have revived the *IEEE ComSoc Global Communications Newsletter* (2007), giving voice on a premier publication for 14 years to all Chapters, including the smallest ones;
- As Vice-President, I have worked hard to bring flagship ICC/GLOBECOM conferences to new areas where important events seldom take place (e.g., ICC in Kuala Lumpur, Malaysia), and I have launched or strengthened Regional Conferences (MeditCom and LATINCOM) to meet the needs of members who have limited funds to travel overseas;
- As Distinguished Lecturer, I gave 40+ talks to countless students and professionals in 14 countries over 7 years, focusing on disadvantaged areas in Asia and Latin America.

Most Qualifying IEEE/ComSoc Positions

- IEEE Conferences Committee, Member (2019-2021);
- ComSoc Vice-President Conferences (2018-2019, 2020-2021);
- ComSoc Vice-President MGA (2014-2015, 2016-2017);
- ComSoc Board-of-Governors, Member-at-Large (2010-2013);
- Editor-in-Chief, *IEEE ComSoc Global Communications Newsletter* (2007-present);
- Steering Committee Chair, IEEE Latin-American Conference on Communications (LATINCOM) (2019-present);
- Technical Program Co-Chair, IEEE ICC 2016 and IEEE GLOBECOM 2023, Kuala Lumpur, Malaysia;
- Co-Founder and Co-Chair, IEEE ComSoc Student Competition (2013-present);
- IEEE ComSoc Distinguished Lecturer (2003-2009).

For IEEE Division Delegate-Elect/Director-Elect, 2023
IEEE Division Delegate/Director, 2024-2025
IEEE Division III (Communications)



VINCENT W. S. CHAN

(Nominated by Petition)

Joan and Irwin Jacobs Chair Professor
Dept. of Electrical Engineering and Computer Science
Claude E. Shannon Communication & Network Group,
Research Laboratory of Electronics
Steve Schwarzman College of Computing, AI and Decision
System Sector
Massachusetts Institute of Technology
Cambridge, Massachusetts, USA
<https://www.rle.mit.edu/networks/>

Vincent Chan received his BS/MS/EE/PhD from MIT (1971-1974). He was the Head of the Communications and Information Technology Division of the MIT Lincoln Laboratory (now Cyber and Communications Divisions), and Director of the Laboratory for Information and Decision Systems. He initiated the US's Laser Intersatellite Transmission Experiment Program and the follow-on GeoLITE Program in 1980-1989. He was the first to use "Dual-Use Technology Investment" by the Clinton Administration to form and chaired: the All-Optical-Network Consortium among MIT/AT&T/DEC, the Next Generation Internet Consortium, ONRAMP among MIT/AT&T/Cabletron/Nortel/JDS, and a Satellite Networking Consortium formed among MIT/Motorola/Teledesic/Globalstar. His research focus is on communications and networks architectures, intelligent network management and control and security. He chaired many advisory committees including the Defense Science Board Taskforce on Communications/Networks and DHS's Science Advisory Board and has been active with start-ups, a Board Member of a Fortune-500 network company, and a Member of the Corporation of Draper Laboratory.

Statement

Communications have become a very broad and multi-faceted endeavor involving the communication medium, computing/storage, algorithms and services. This requires participation of multiple societies and councils. I have been reaching out towards other societies in meaningful collaborations, personally in contact with other society and council presidents to explore common grounds. As the Division III Director, I will continue and amplify those efforts and break down silos. Industry participation has atrophied over the years. I will emphasize one of the three main strategic thrusts of ComSoc (Communications Society) on re-engaging the industry for Division III. I formed a ComSoc industry advisory board with high level executives (SVP/CTO) from first-tier companies to explore how we can rejuvenate substantial industry involvement in ComSoc activities. We will engage

global constituents, legislators and public and private funding agencies to promote more funding for important communications and network research agendas and strengthen the IEEE components in policy, regulation and standards in parallel with the technical activities. If elected, I will serve with inclusiveness and integrity and pledge to improve these facets of IEEE.

IEEE Accomplishments and Activities

(S'69-M'88-SM'92-F'94-LF'18)

1. Active contributor of multiple ComSoc Technical Committees.
2. ComSoc Member-at-Large.
3. As Editor-in-Chief of JSAC incubated the *Journal of Optical Communications and Networking* (JOCN) bringing in Photonics Society and the Optical Society of America as partners (2010-2013).
4. Established the Best Paper Award for JOCN named after the Nobel Laureate Charles Kao.
5. As Vice-President of Publications founded 8 multi-society Journals, negotiated and struck equity in ownerships and roles/responsibilities (2013-2014).
6. Chaired IEEE Communication Society Strategic Planning Committee establishing the society's agenda for diversity, industry re-engagement and holistic networking (2018-2019).
7. As President IEEE Communication Society (2020-2021):
 - a. Restocked the ComSoc staff by hiring a new Executive Director and three of the five directors,
 - b. Rejuvenated the operations of ComSoc by establishing equal partnerships and strong channels of communications between volunteer and staff,
 - c. Appointed an Ad Hoc Committees on Holistic Networks to promote a broader networking agenda with IEEE and multi-society participations,
 - d. Encouraged and promoted the formation of an Emerging Technology Committee on Quantum Communications and a SIG on Low Earth Orbit Satellites,
 - e. Initiated the "Digital Divide and Internet for All" activity to promote equal access to digital resources reaching out to local chapters globally to participate in centralized and distributed activities,
 - f. Member of IEEE Communication Policy Committee (2021),
 - g. Voting member of TAB,
 - h. Appointed an Ad Hoc Diversity Committee to improve the society's diversity efforts - passed Bylaws for requiring Due Diligence in identifying diversity candidates for elected and appointed BoG positions,
 - i. Appointed Ad Hoc Committee for Misconducts,
 - j. Formed an Industry Advisory Board (2020) with high level executives (SVP/CTO) from first tier global companies to rejuvenate industry involvement in ComSoc activities,
 - k. Served on IEEE Fellow Committee, 2022 IEEE Ad Hoc Committee, and subcommittees for Fellows Reform.

For IEEE Division Delegate-Elect/Director-Elect, 2023
IEEE Division Delegate/Director, 2024-2025
IEEE Division III (Communications)



WAHAB ALMUHTADI

(Nominated by IEEE Division III)

Professor

Algonquin College

Ottawa, Ontario, Canada

<https://www.algonquincollege.com/sat/program/bit-photonics-and-laser-technology/wahab-almuhtadi-ph-d/>

Dr. Almuhtadi has over 26 years university teaching experience, and over 32 years industry experience. He's Professor/Coordinator of "Optical Systems and Sensors" Program, Algonquin College/Carleton University, Canada. Previously, he was Senior System Engineer at Nortel, Optical Solutions R&D. With his strong professional background, he demonstrated outstanding leadership leading Algonquin College to become Polytechnic Institution, and established Applied Research with \$10.5M fund. He's the founder of \$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 Ontario "Centre of Excellence in Next Generation Networks (CENGN)" with \$65M funding. 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

Over 29 years, I've been actively engaged serving IEEE members with dedication and proven record of accomplishments. I held various leadership positions at all IEEE levels, which allowed me to participate and fully understand IEEE's structure and challenges. If elected, I'll do to the best of my ability to:

- Be ComSoc's voice at IEEE Board of Directors and serve to the best interests of ComSoc, IEEE, its members and the public.
- Report to BoD and raise any matters related to ComSoc activities/concerns, and recommendations by ComSoc BoG to be brought up to BoD attention.
- Provide leadership in achieving IEEE's vision, mission, goals, strategies, plans, budgets, and reinforce IEEE global leadership.
- Participate actively in Board activities, serve on special committees, task forces or other special projects as may be assigned.
- Demonstrate the highest standards of collaboration and collegiality with all Directors of BoD.
- Participate actively, as TAB voting member, in TAB Meetings, Division Directors' Forums, S/C Presidents' Forums, strategic planning, programs evaluation, and standing committees.
- Support diversity & inclusion, industry engagement, young professionals, WIE, and students.

IEEE Accomplishments and Activities

(M'95-SM'05)

Major contributions:

- Served as ComSoc North America Region Director (NAR), Member Services Board member, and BoG member (2018-2019) allowed me to accelerate activities of 93 chapters, keep retention while increasing membership.
- Chaired/organized 35+ IEEE international conferences including flagship ICC2012 and ICC2021.
- As ComSoc Ottawa Chapter Chair, the chapter received "Chapter Achievement Award" (2010, 2015, 2019) and "Chapter of the Year Award" (2010, 2019.)
- Some of my recent accomplishments include serving as IEEE Consumer Technology Society (CTSoc) President. Under my leadership, CTSoc moved to a new level of excellence (new publications, establishing 15 new technical committees, conferences restructuring, budget from \$0.5M deficit to over \$1M surplus, industry engagement, Standards, new Society name, logo and field of interest, etc.)
- One of the founders of IEEE Center for Leadership Excellence (CLE)

IEEE:

- 2019-2022 Member, TAB
- 2019-2022 Member, Division IV Board
- 2022 Member, Conference Publications Committee
- 2013-2016 Coordinator/R7 Representative, IEEE MCE (Meetings Conferences Events)
- 2015-2016 Gaining Global Perspectives Ad-Hoc Committee
- 2015 Conference Finances and Financial Tools Ad-Hoc Committee
- 2013-2015 Nominated Member, IEEE Governance Committee
- 2013-2014 Center for Leadership Excellence Committee, MGA
- 2009-2011 Member-at-Large, Information Management, MGA

ComSoc:

- 2018-2019 Member, BoG
- 2018-2019 Director/Board Chair, North America Region (NAR)
- 2020-2023 Past Director, NAR
- 2012/2021/2025 Executive Chair, ICC Conference
- 2020-present Member, Member Services Board
- 2020-2021 Member, Online Content Board
- 2022-present Distinguished Lecturer (DL)
- 2012-2015 Industry Content and Exhibition Committee
- 2008-2017 R7 Representative, NAR-Board
- 2008-2021 Chair, ComSoc/CTSoc/BTS Ottawa Joint Chapter

CTSoc:

- 2019-2022 President
- 2018 President-Elect
- 2017-2018 Vice-President, Education
- 2014-2022 Member, BoG
- 2014-2017 DLs/Education Chair

Region 7/IEEE Canada:

- 2017-2019 Chair, Publications and Communications
- 2013-2016 Chair, Conference Advisory Committee
- 2013-present Director, IEEE Canadian Foundation Committee
- 2010-2012 Chair, IEEE Eastern-Canada (NB/NL/NS/ON/PE/QC)
- 2007-2008 Member, IEEE Canada Board of Directors

Ottawa Section:

- 2009-present Senate Vice-Chair
- 2005-present Chair, Awards Committee
- 2003-present Advisor, Algonquin College Student Branch
- 2009-2010 Chair, Nominations Committee
- 2007-2008 Section Chair, 2006 Vice-Chair

For IEEE Division Delegate-Elect/Director-Elect, 2023
IEEE Division Delegate/Director, 2024-2025
IEEE Division V (Computer)



DEJAN S. MILOJICIC

(Nominated by IEEE Division V)

Distinguished Technologist and Director
Hewlett Packard Labs
Palo Alto, California, USA
<https://dejan.milojicic.com>

Dejan is a distinguished technologist and director at Hewlett Packard Labs, Palo Alto, CA (1998-present). Previously, he worked in the OSF Research Institute, Cambridge, MA (1994-1998) and Institute "Mihajlo Pupin", Belgrade, Serbia (1983-1991). He received his PhD from the University of Kaiserslautern, Germany (1993), and his MSc/BSc from Belgrade University, Serbia (1986/1983). Dejan was a managing director of the Open Cirrus Cloud Computing testbed (2007-2011), with 16 global sites in US, Asia, and Europe. Dejan has more than 200 papers, 2 books and 72 patents. He is an IEEE Fellow (2010), ACM Distinguished Engineer (2008), and HKN and USENIX member. Dejan served on 8 PhD thesis committees, and taught Cloud Management at San Jose State University, and mentored over 50 interns and collaborated with many universities. Dejan founded a magazine and three conferences, and served on several editorial boards and program committees. He received the IEEE Computer Society Richard Merwin Award.

Statement

If elected, I will focus on helping IEEE and Computer Society in: 1) engaging existing and new membership into meaningful contributions; 2) generating new classes of IP of practical impact to members and the world as a whole; and 3) better integrating our organizations into overall ecosystem.

1. To better engage membership, I would invite members from industry, academia, and governments to benefit from and contribute to new and existing IEEE products and services. I will carefully personalize types of products to individuals and organizations.
2. New IP will be generated for new products and services of practical value to members, humanity, and earth (e.g., against global warming), such as predictions, analysis, roadmaps, practical courses, patterns, use-cases, opensource code, designs, architectures, etc.
3. IEEE and Computer Society are not islands. I will better integrate Computer Society into IEEE and vice versa, but I will also do the same outwards. There are many organizations that we can work with in different degrees of tightly or loosely coupled relationships such as ACM, USENIX, OSA, ASME, PMI, and many others.

IEEE Accomplishments and Activities

(M'90-S'92-M'95-SM'08-F'10)

MAJOR CONTRIBUTIONS

- As principal editor of IEEE CS 2022 Technical Report, formed the team and drove the publication of the document predicting 23 technologies that will have disruptive adoption by the year 2022. Currently leads “Future of Workforce” Report.
- Instituted the prestigious Spirit of Computer Society Award in 2014, awarded annually to one volunteer and one staff member of Computer Society who best reflect the spirit of this organization.
- Initiated and led Tech Trends (2015-2022). Press releases are annually picked up by hundreds of media outlets (~100M audience), a CS’s top content on Twitter with over 10,000 views, hundreds of retweets annually, one of CS’s most-read content.
- Introduced common practices and drove the establishment of special technical communities which served as a model to IEEE Communities.
- Formed IEEE Industry Engagement Committee reporting to the IEEE Board. Founded Infrastructure Conference (2018; 2020) by industry and for industry; transitioned it to Computer Society. Organized IEEE Board outreaches to Israel, Silicon Valley, China, Japan, Germany, Taiwan.

IEEE POSITIONS

Major positions

- Computer Society President (2014)
- Division VIII Director (2017-2018)
- IEEE President Candidate (2019)
- IEEE Audit Chair (2018)
- Ad-Hoc Chair
 - Board Outreach (2015)
 - Industry Engagement (2016)
 - Industry Advisory Board (2017)

Major IEEE Committees/Boards

- Industry Engagement (2018-2022)
- New Initiatives (2017-2018)
- Audit (2017-2018)
- Awards (2018)
- Fellows (2016, 2022)
- Fellow Strategic Planning Subcommittee (2020-2021)

Recent Positions

- Industry Engagement, Vice-Chair (2021)
- Region 6, OpCom, Industry Engagement Chair (2021-2022)
- Santa Clara Valley Section (SCV), Corporate Liaison Program Chair (2020-2022)
- Computer Society, SCV Chapter Chair (2020-2021)

Publications/Conferences

- Editor-in-Chief: *IEEE Computing Now* '08-'12; *IEEE Distributed Systems Online* '08-'09
- IEEE Editorial Boards: *Computer*; *Transactions on Cloud Computing*; *Internet Computing*; *Concurrency*; *Distributed Systems Online*
- General Chair: CLOUD'2022, Infrastructure'20, COMPSAC'16, ICAC'12
- Program Chair: IC2E'19; Infrastructure'18; CongressOnServices'11; SmartGridComm'11; ASA/MA'99; etc.
- Program Committees: IC2E; ICRC; ICAC; ICDCS; ICWS; AAMAS; EDOC; Middleware; HotCloud, HPDC, COMSWARE; etc.

For IEEE Division Delegate-Elect/Director-Elect, 2023
IEEE Division Delegate/Director, 2024-2025
IEEE Division V (Computer)



CHRISTINA M. SCHOBER
(Nominated by IEEE Division V)

Sensor Production Consultant
Honeywell Aerospace Division
Minneapolis, Minnesota, USA
www.ChristinaSchober.com

Christina is a Honeywell Sensor Production Consultant after a 40-year career as a Product Team Lead/Staff Engineer with Honeywell in Design, Manufacturing, and Research. Chris has a Professional Masters and Bachelor of Mechanical Engineering degree from the University of Minnesota and has been awarded 17 US and 24 foreign patents.

Chris is a dedicated CS volunteer for 35+ years at multiple levels: CS Chapter Officer, Section Officer, CS BOG, and IEEE BOD/CS Director. She has served six terms as a member of the CS BOG, including VP Conference & Tutorials, and VP Chapter Activities. As Sensors Council president (2010-2011) she led a financial turnaround of the Council, and in the same year started investing in additional Sensors Journal pages kicking off year-over-year growth and financial returns. Chris's focus in IEEE is reflected in her talks at Section Congress 2017 on Building Technical Communities, Diversity, Chapters, and Value to Industry Professionals.

Statement

IEEE and IEEE Computer Society are global leaders in technology. To continue this excellence, I have the enthusiasm, dedication and history of increasing diversity and inclusion, supporting new services and products, infrastructure improvements by collaboration and engagement to fulfill IEEE core purpose "to foster technological innovation and excellence for the benefit of humanity".

I have great respect for all aspects of computing, and its worldwide penetration into industry, academia, schools, and households. The diversity of our members and the wide breadth of computing technology are a challenge to providing value to each member. I want to continue using the Director position to improve IEEE and Computer Society members return on their investment and to allow each member to flourish with the networking, technical and professional resources of IEEE and IEEE Computer Society.

I have been an IEEE member for over 38 years. My vision and focus for IEEE and IEEE Computer Society is to be for others what it is for me, a lifetime technology and professional home for networking, education, leadership opportunities, and knowledge.

IEEE Accomplishments and Activities

(M'85-SM'92)

My IEEE experience as a leader within Technical Activities demonstrates a consistent record of leadership, integrity, ethics, collaboration, diversity, and inclusion. To be an effective Division Director for IEEE CS, it is important to have a thorough knowledge of Computer Society and IEEE. I have been a dedicated CS volunteer for over 35 years at multiple levels: CS Chapter offices, Section offices, CS BOG, and IEEE BOD/CS Director. I have served six terms as a member of the CS BOG, including VP Conference & Tutorials and VP Chapter Activities. As a Division Director it is equally as important to have a working knowledge of IEEE, Technical Activities Board (TAB), Societies and Councils. IEEE Computer Society is a member society of the Council, and I was the original appointed CS AdCom rep.

IEEE Sections Congress 2017, my three talks for TAB track "Building Technical Communities" were:

- "Diversity in Engineering"
- "Building Local Technical Communities in Chapters"
- "Enhancing IEEE's Value to Industry Professionals"

IEEE highlights

- IEEE
 - Director, Division VIII 2021-2022
 - Humanitarian Efforts AdHoc (Finance and Operations) 2022
 - Ethics and Member Conduct Committee (EMCC) BOD coordinator 2021-2022
 - NextGen implementation finance oversight 2021
 - Strategic Alignment Committee 2019
- TAB
 - Ombudsman 2019-2021
 - Conflict Resolution Chair 2018, member 2019-2021
 - Strategic Planning committee 2018-2020
 - Society and Council Review committee 2015-2019
- Sensors Council
 - Standards committee secretary, 2021-2022
 - SC Lifetime Achievement Award 2019
 - SENSORS General Co-Chair Busan Korea 2015
 - President 2010-2011
- Computer Society
 - Geographic Activities Committee, Portfolio 2022
 - Board of Governors 1998-2003, 2005-2010, 2014-2016
 - Conference & Tutorials Board Vice President 2003-2004
 - Chapter Activities Board Vice President 2005-2006
 - Golden Core Member 2000

My chapter roots through senior leadership positions have enriched my knowledge, understanding and effectiveness to further the IEEE & Computer Society.

For IEEE Division Delegate-Elect/Director-Elect, 2023
IEEE Division Delegate/Director, 2024-2025
IEEE Division VII (Power & Energy)



LALIT K. GOEL

(Nominated by IEEE Division VII)

Professor & Director
Nanyang Technological University (NTU), Singapore
Singapore
<https://dr.ntu.edu.sg/cris/rp/rp00808>

Lalit Goel is a Fellow of the IEEE and has received 20 teaching awards. He obtained BTech Degree in Electrical Engineering from National Institute of Technology Warangal, India in 1983, and MSc and PhD degrees in Electrical Engineering from University of Saskatchewan, Canada, in 1988 and 1991 respectively. He joined the School of Electrical & Electronic Engineering at the Nanyang Technological University Singapore in 1991 where he is presently Professor of Power Engineering, Director of Renaissance Engineering Programme, and Director of India Connect Office. He previously served as Head of Power Engineering, Dean of Admissions & Financial Aid, Director of Undergraduate Education (Projects) in the President's Office, and Director, Office of Global Education & Mobility. He was Editor for the *International Journal of Electric Power Systems Research* from 2002 until 2019. He has published 190 international journal and conference papers in power system reliability, cost/benefit assessment, power markets and renewables.

Statement

As a volunteer with IEEE and PES for more than 30 years, I have served in various capacities, including Singapore Section Chair and Regional Representative for Asia-Pacific Region 10. I shall make efforts to bring value of IEEE to industry, encourage STEM careers, support lifelong learning, improve gender diversity, and promote collaborative innovation. I shall endeavor to bring value to both younger and experienced engineers at the technical and educational levels for a sustainable future for the Society.

I will also make efforts to increase networking opportunities for members at IEEE events, and ensure financial transparency to maximize member benefits while keeping budgets in check. I will help build close relationships with IEEE sister Societies, develop good relations with other professional associations, and build global outreach for the benefit of IEEE members. It would be a great honor and privilege to use my experience and knowledge to represent PES interests for this IEEE Board of Directors position, in the hope that I can help make IEEE and PES more relevant and useful to members.

IEEE Accomplishments and Activities

(S'89-M'91-SM'95-F'13)

Major Contributions:

1. PES Governing Board Member Region 10 Representative 2011-2016
2. Chaired/co-chaired several PES conferences in Singapore since 1995

3. Only person from Region 10 to win PES Outstanding Power Engineering Educator Award
4. Chairman of IEEE Singapore Section in 2007-2008

IEEE Positions/Contributions:

- Honorary Chair IEEE TENCON 2016 Singapore
- General Chair IEEE TENCON 2009 Singapore
- Member IEEE Region 10 Awards & Recognitions Committee 2015

Power & Energy Society (PES):

- Member Industry Technical Support Leadership Committee 2021-2022
- Member Leadership in Power Award Committee 2019-2022
- Member Outstanding Student Scholarship Selection Committee 2020-2022
- Region 10 Representative 2011-2016
- Member Joint Medal of Excellence Award Committee Institution of Engineers Singapore/IEEE 2008-2015
- Member IEEE PES Roy Billinton Power System Reliability Award Committee 2009-2014
- Member Outstanding Power Engineering Educator Award Committee 2010-2017
- Editorial Board Member *Power & Energy Magazine* 2011-2017
- Long Range Planning Committee Member 2007-2011 and 2016
- Nominations & Appointments Committee 2006-2007, 2010 and 2014
- Chapters Representative Region 10 South, 2005-2010

Awards/Recognitions:

- PES Singapore Chapter Outstanding Engineer Award 2000
- PES Outstanding Power Engineering Educator Award 2009
- IEEE Singapore Section Outstanding Volunteer award 2013
- PES Distinguished Lecturer

Section/Chapter:

- Singapore Section: Chairman 2007-2008; Deputy Chair 2005-2006; Committee Member 2003-2004
- PES Chapter Singapore: Chairman 2002-2003; Deputy Chair 2000-2001; Committee Member, 2004-2006, 1998-1999; Treasurer 1996-1997

PES Conferences:

- Advisor IEEE PES ISGT Asia Conference 2018 Singapore
- Chairman International Conference on Probabilistic Methods Applied to Power Systems (PMAPS) 2010 Singapore (PES Technical Co-sponsor)
- Chairman 2004 International Conference on Power System Technology (Powercon) Singapore
- Chairman International Power Engineering Conference (IPEC) 2005 and 2007 Singapore (PES Technical Co-sponsor)
- Vice-Chairman Winter Meeting 2000 Singapore
- Chairman 1998 International Conference on Energy Management & Power Delivery (EMPD) Singapore
- Publications Chair 1995 EMPD Singapore
- Secretary IPEC 1997, 1999, 2001 and 2003, Singapore
- Co-Chair Asian Conference on Energy, Power and Transportation Electrification (ACEPT) 2016-2018 (3 societies technically co-sponsored)

**For IEEE Division Delegate-Elect/Director-Elect, 2023
IEEE Division Delegate/Director, 2024-2025
IEEE Division VII (Power & Energy)**



CHRISTOPHER E. ROOT, PE
(Nominated by IEEE Division VII)

Chief Operating Officer (Retired)
Vermont Electric Power Company
Quechee, Vermont, USA

Mr. Root is currently an Executive Advisor at Vermont Electric Power Company (VELCO). He recently retired as the Chief Operating Officer at VELCO after 8 years. He was a Sr. VP at National Grid USA for 17 years in the areas of Operations, Asset Management and Engineering before joining VELCO. He is currently the President of the US National Committee of CIGRE (USNC). He holds a BSEE in Power Systems from Northeastern University, a MSEE in Power Systems from Rensselaer Polytechnic Institute and attended the Management Development Program at the Harvard Business School. He is a registered professional engineer in two states in the US and member of Eta Kappa Nu and Tau Beta Pi. He was on the North American Transmission Forum Board of Directors and 2021 recipient of Atwood Associate Award (USNC). He has contributed to numerous papers, participated in many conferences, and given keynote addresses worldwide.

Statement

If elected, I will do my best to represent the practicing engineers, as well as the important academic community which supports, researches, and trains our industry. The IEEE mission to foster technological innovation and excellence for the benefit of humanity is something I take very seriously and would support all efforts to further this mission. I have significant experience in leading large organizations, and I support financial stability. It is my opinion that the IEEE Board's responsibility is to its members who elect them and the Institute's chapters and societies, along with its responsibility to publish new technical information, train our new and developing engineers and be the voice of our technical members.

In many ways, the IEEE Board must also lead change to keep the Institute healthy and to change with overall technical, societal, and generational demands. I have the time, experience, sincere interest, and commitment in running for this important position to represent Division VII members on the IEEE Board of Directors. I ask for your consideration and vote.

IEEE Accomplishments and Activities

(S'79-M'83-SM'05)

Mr. Root has been active in the Governing Board of PES for 10 years (2006-2017). He has been the Board Secretary, Treasurer, and a Governing Board Member at Large. He chaired the Governing Board Finance Committee for four years of financial growth. He was a long term member of an Editorial Board of the *Power and Energy Magazine*. He has been on the Long Range Planning Committee (LRP) of the Governing Board since 2006 and was the Chairman of the PES Leadership in Power Award Committee. He has been the Chair of the Scholarship Plus Committee.

Mr. Root is a member of the PES Industry Technical Support Leadership Committee (ITSLC), the IEEE Energy Policy Committee, and the PES Industry Advisory Committee.

Mr. Root was instrumental in re-invigorating the dormant Boston PES Chapter in 2007. He organized the first PES Chapter in the state of Vermont in 2014. He was awarded the 2009 Outstanding Engineering Award by the Boston Chapter of the Power and Energy Society. He was the Chairman of the Local Organizing Committee for the PES ESMO Conference and Exposition in Providence, Rhode Island in 2011.

For IEEE Division Delegate-Elect/Director-Elect, 2023
IEEE Division Delegate/Director, 2024-2025
IEEE Division IX (AESS, GRSS, ITS, ITSS, OES, SPS, VTS)



AYLIN YENER

(Nominated by IEEE Division IX)

Professor and Roy and Lois Chope Chair in Engineering
The Ohio State University
Columbus, Ohio, USA
<https://ece.osu.edu/people/yener.5>

Aylin Yener holds the Roy and Lois Chope Chair in Engineering at The Ohio State University, where she is a Professor of electrical and computer engineering, computer science and engineering, and integrated systems engineering. Previously, she was a Distinguished Professor of electrical engineering at Pennsylvania State University. In 2020, she served as the President of the IEEE Information Theory Society. A highly cited researcher/author of over 300 IEEE publications, her research interests span information, communication and learning theories, and include information security, edge learning, green communications, and 6G networks. She received several IEEE awards: International Conference on Communications Best Paper Award (2010), Marconi Prize Paper Award (2014), Women in Communications Engineering Outstanding Achievement Award (2018), Communications Society Best Tutorial Paper Award (2019), and the Communication Theory Technical Achievement Award (2020). She has been a Distinguished Lecturer for the IEEE Information Theory, Communications and Vehicular Technology Societies. She is a fellow of the IEEE.

Statement

Having been a member and volunteer for multiple societies taught me that our division's societies have a lot in common, in both technical interests and challenges/opportunities of our profession. Post-COVID, we will be facing a new reality with evolving conference (hybrid, "glocal") and publishing access models. The value proposition for society membership will be in question. To respond to these challenges, I advocate for deeper cooperation between societies by: (i) sharing best practices; (ii) facilitating cross pollination of ideas and joint ventures, e.g., inter-disciplinary conferences and publications that can address global grand-challenges. I advocate for bringing down professional, financial, and cultural barriers for *belonging* by: (i) improving relevance to industry and practicing engineers (including recognition as fellows); (ii) providing accessible membership and participation from those that are underrepresented in IEEE, including geographically and economically (by conference discounts/waivers). I will be a conduit of the collective voice of member societies to the board of directors, to have a more diverse, equitable and inclusive IEEE that will continue to be the authoritative professional organization in post-covid world.

IEEE Accomplishments and Activities

(S'91-M'00-SM'13-F'15)

Yener has been an active IEEE volunteer for over two decades with experience on membership, finances, publications, conferences, and outreach. She served as the President of the Information Theory Society (ITSoc) in 2020 and dealt firsthand with the challenges brought on by the pandemic on all its operations. Her selected accomplishments include:

- As president (2020): Increased membership by 40%; Started a digital platform initiative called FITS (Future of Information Theory Society) for lectures, conferences and all digital presence; Facilitated transition of all activities to online in 2020.
- As society treasurer (2012-2014): Spearheaded a number of initiatives that favored membership and strong finances, including conference registration discounts, and reduced editing costs for transactions; Took over a budget that was in the red and delivered healthy surpluses each year.
- As school committee chair (2014-2017): Oversaw the coordination of information theory schools world-wide, leading to schools in Australia, Europe, Asia (2), Latin America, South Africa.
- As student committee chair (2007-2011): Co-founded North American Information Theory School in 2008, chaired to grow to the largest outreach activity (over 200 students) of the society (IEEE commendation in 2014).

Her selected service positions include membership in IEEE

- Technical Activities Board (TAB) (2020)
- TAB Nominations and Appointments Committee (2022-present)
- Medals Council (2020-2021)
- Diversity and Inclusion Committee, ITSoc (2021)
- Fellow Committee (2018-2020, FSPS 2021)
- Adcom, Systems Council (2020-present)
- Board of Governors, IEEE ITSoc (2015-2018)

chairing

- IEEE Richard Hamming Medal Committee (2020-2021)
- Cooperation with IEEE Entities Committee, Systems Council (2022-present)
- Nominations and Appointments Committee, ITSoc (2022)
- Membership Committee, ITSoc (2018)
- Awards Committees, ITSoc (2019-2021)
- School Committee, ITSoc (2014-2017)
- Student Committee, ITSoc (2007-2011)
- Lehigh Valley Chapter, Signal Processing Society (2001)

and serving as

- President, ITSoc (2020)
- Editor-in-Chief, *Transactions on Green Communications and Networking* (ComSoc, SPS, VTS) (8/2022-present)
- Vice President (VP), ITSoc (2018-2019)
- VP for Publications, ITSoc (2022)
- Treasurer, ITSoc (2012-2014)

For IEEE Division Delegate-Elect/Director-Elect, 2023
IEEE Division Delegate/Director, 2024-2025
IEEE Division IX (AESS, GRSS, ITS, ITSS, OES, SPS, VTS)



AHMED TEWFIK
(Nominated by IEEE Division IX)

Siri Perception Team Director
Apple
Cupertino, California, USA

Ahmed Tewfik is Past President of the IEEE Signal Processing Society and Director at Apple in the Siri team within AI/ML. Prior to Apple, he was the Cockrell Family Regents Chair in Engineering in the Department of Electrical and Computer Engineering at the University of Texas at Austin and the Chairman of the Department from October 2010 to November 2019. Previously, he was the E.F. Johnson Professor of Electronic Communications at the University of Minnesota and worked at Alphatech, Inc. He has provided consulting services to industrial measurements and medical technology companies. From fall 1997 to fall 2001, he was the President and CEO of Cognicity, Inc., an entertainment marketing software tools publisher that he co-founded. He is an IEEE Fellow and recipient of several awards and honors, including the IEEE Signal Processing Society Technical Achievement Award, IEEE Third Millennium Award and Distinguished Lecturer of the IEEE Signal Processing Society.

Statement

If elected, I seek to:

- Engage all seven Division IX Societies to identify compelling unmet needs that we can address substantially better than any other enterprise, institution or sector. New business models will follow naturally once our Societies articulate a crisp, exciting, memorable, and compelling value proposition to professionals and employers.
- Address diversity, inclusion and equity in membership and leadership. Tackle the low success rate of IEEE professional recognitions, including Fellow nominations coming from industry, government, and regions outside North America and Europe.
- Explore the use of earnings on the financial reserves of our Societies to provide funds for innovation and offset future loss of revenue due to changing publications and conference business models.
- Launch new conferences with an unconventional format to create an innovation ecosystem that brings together startups, venture capitalists, industry, academia, and government.
- Conduct research to identify new offerings with clear value to current and potential industry members.
- Inject new blood—not just from the IEEE—in our conference, education and publication planning and execution to maximize chance of success.

IEEE Accomplishments and Activities

(S'81-M'82-S'82-M'87-SM'92-F'96)

Selected IEEE Service:

- President and President-Elect, IEEE Signal Processing Society (2018-2021),
- VP Technical Directions, IEEE Signal Processing Society (2010-2012),
- Member-at-Large, IEEE Signal Processing Society Board of Governors (BoG) (2006-2008),
- President, IEEE Communications and Signal Processing Chapter, Twin Cities, MN (2003-2005),
- Founding Editor, *IEEE Signal Processing Letters* (1993-1999),
- Member, Multimedia Signal Processing Technical Committee (1998-2002) and Digital Signal,
- Processing Technical Committee, IEEE Signal Processing Society (1992-1998).

IEEE Accomplishments:

- Founded *IEEE Signal Processing Letters* and introduced electronic reviewing in 1993 long before it was adopted by other publications within the Society, IEEE and other professional journals.
- As a BoG member, resolved a deep staff-volunteer conflict and established new onboarding process for volunteers.
- As VP Technical Direction,
 - implemented new organizational and governance structures to foster innovation, membership renewal and broader community participation.
 - led the formulation and adoption of a new President-Elect process that was used until 2019, when it was enhanced with a direct membership vote.
- As President,
 - teamed with three other societies to launch the *IEEE Transactions on Artificial Intelligence* and later the IEEE Conference on Artificial Intelligence.
 - led the conversion of the flagship conference of the Signal Processing Society to an all-virtual conference in less than 60 days. The conference had record attendance and participation by industry, and was presented as a case study in IEEE TAB.
 - formulated and secured Executive Committee and BoG approvals for a comprehensive diversity pledge.
 - actively sourced diversity for the slates of all Society positions.
 - collaborated with external organizations to implement educational enrichment and mentorship programs for K-12 students from disadvantaged backgrounds in Chicago, Philadelphia and LA.
 - launched a new bi-annual forum to give members a direct say in the governance of the Society.
 - initiated a new Town Hall meeting for members to dialogue with President-Elect candidates.

For IEEE Division Delegate-Elect/Director-Elect, 2023
IEEE Division Delegate/Director, 2024-2025
IEEE Division IX (AESS, GRSS, ITS, ITSS, OES, SPS, VTS)



WALTER "WALT" D. DOWNING, PE
(Nominated by IEEE Division IX)

Executive Vice President and Chief Operating Officer
Southwest Research Institute (SwRI)
San Antonio, Texas, USA
<https://www.linkedin.com/in/waltdowning/>

Walt leads SwRI technical operations and serves on the Board of Directors. He joined SwRI in 1979 as an instrumentation and control systems engineer. He expanded into the fields of automated test systems and avionics, creating a research division in aerospace electronics before moving to executive management in 1998.

Walt is a registered professional engineer in Texas and Florida. He holds a BSEE from Southern Methodist University and an MBA from the University of Texas at San Antonio. He is active on several charitable, civic, and industry advisory boards.

Walt is the Aerospace and Electronic Systems Society (AESS) past president and distinguished lecturer. He is a member of the TAB Society and Council Review Committee, AESS representative on Systems Council, Lone Star Section Vice-Chair, Region 5 Government Relations Coordinator, and IEEE STEM Champion. He is a member of HKN, WIE, and is an ABET program evaluator for electrical engineering programs.

Statement

Through my involvement in IEEE, I have been fortunate to work with very intelligent and dedicated individuals from around the world. The strength of IEEE is in the talent and diversity of its membership. My primary interest in serving as the Division IX Delegate/Director is to stimulate and encourage more member engagement and interactions between the technical societies within Division IX and with other societies and councils so that we can fully realize our potential. I learned much from discussions with peers in TAB and believe that we all benefit by sharing best practices. In addition to sharing best practices, it is also important to discuss problems or other issues common among small to mid-sized societies. By doing so, we might learn the best way to address common problems or raise the issues at TAB meetings when appropriate to do so. Raising issues collectively seems to be a more effective way of ensuring that our concerns are noticed in a large and diverse organization.

IEEE Accomplishments and Activities

(M'80-SM'90-LS'17)

I joined IEEE shortly after starting my career at SwRI. My participation in IEEE activities has been a truly rewarding experience that grows through deeper engagement as a volunteer, plus I found it very useful for my professional development. I discovered that as I gave more time and energy to IEEE activities, I got more out of my membership and realized greater satisfaction from my efforts. I enjoy sharing my experience with other members and encourage them to get engaged.

- Aerospace and Electronic Systems Society (AESS) President, 2020-2021
- AESS Executive VP (President-Elect), 2018-2019
- AESS VP Technical Operations, 2015-2017
- AESS VP Member Services, 2005-2007
- AESS Board of Governors member at-large, 2001-2006 and 2012-2018
- IEEE AUTOTESTCON Board of Directors member representing AESS, 1995-1999, 2003-2007, 2015-2019, and 2021-present
- IEEE AUTOTESTCON General Chair, 1999
- IEEE AUTOTESTCON Technical Program Chair, 1986, 1990, and 1993
- IEEE Systems Council Representative for AESS, 2014-2016, 2021-present
- IEEE Systems Council VP Technical Operations, 2017-2019
- IEEE Systems Council Chair of the Senior Members Committee, 2021-present
- IEEE Systems Council Chair of the Life Members Committee, 2022-present
- IEEE TAB Society and Council Review Committee, 2022-present
- IEEE Region 5 Government Activities Coordinator, 2021-present
- IEEE Lone Star Section Vice Chair, 2020-present (a founding ExCom member of this section)
 - 2021 IEEE Region 5 Outstanding Medium Section Award
 - 2016 & 2021 IEEE Region 5 Outstanding Large Company Award – Southwest Research Institute
- IEEE Lone Star Section Women in Engineering Affinity Group, 2021 (founding chair)
- IEEE Central Texas Section (now Lone Star) Joint SMC28/AES10/SYSC45 Chapter Chair, 2015-2018
 - 2015 Outstanding AESS Chapter Award
- IEEE Lone Star Section Joint SMC28/AES10/SMC45 Chapter Secretary, 2019-2021
- Eta Kappa Nu, Gamma Omicron Chapter, Southern Methodist University
- ABET Program Evaluator, 2015-present
- IEEE STEM Champion, 2022-present

For IEEE Region Delegate-Elect/Director-Elect, 2023-2024
IEEE Region Delegate/Director, 2025-2026
IEEE Region 2 (Eastern USA)



RHONDA L. FARRELL, PhD, CCMP, CMQ/OE
(Nominated by IEEE Region 2)

CEO
Global Innovation Strategies
Baltimore, Maryland, USA
<http://drrhondafarrell.com>

Dr. Rhonda Farrell, CEO of Global Innovation Strategies, has a technical and management consulting career spanning 35+ years, serving USMC to Fortune 500, state, civil, and Federal government agencies, driving organizational development, innovation, and transformation. In her various roles she works constructively with executives, leaders, and staff horizontally and vertically within and external to the organization to understand the current state, conduct gap analysis, recommend, and implement strategic initiatives across the people, process, and technology spectrum using a structured design of experiments approach.

She is typically responsible for multi-year portfolio strategic planning, annual business planning, and the design and fielding of corresponding performance management-related targets, metrics, and measurements. She has also been key in building out the supporting policy, processes, and procedures, and automations, which bolster efficiencies, effectiveness, and productivity gains.

Successful growth initiatives include launching and growing international communities expanding to over 98 countries, serving practitioners across the globe.

Statement

If elected to serve as the IEEE 2023-2024 Region 2 Director-Elect, I pledge to work constructively with the Region Director, the other Regional leaders across the globe, MGA, TAB, IEEE-USA, our supporting staff, and volunteers to ensure alignment to, and operationalization of, the IEEE and IEEE-USA strategic goals, in support of key RD initiatives. Harnessing change management, innovation, organization tools, and strategic communications, I'd work at all levels to support the continued post-COVID-19 revitalization of the Region, by enabling the build-out of a strong pipeline of leaders across the 20 Sections, better integrating our Affinity Groups, Society Chapters, and Student Branches to ensure we grow membership consistently, and cohesively ensuring that we have a robust event portfolio providing programmatic coverage across the most relevant and growing technological areas, communities, industries, and topic areas.

I'd work across and within to actively embed affinity groups, YP, and student elements into as many program channels as possible, expand support for K-12 STEM and CYBER programs, and continue to deepen the focus on integrated diversity, equity, and inclusion across our Region.

IEEE Accomplishments and Activities

(S'09-GSM'12-M'15-AF'18-M'18-SM'19)

Rhonda has worked broadly across IEEE, IEEE-USA, MGA, and many TAB-related OUs, including serving under five Region Directors to operationalize strategic goals in some manner from 2010 to 2022. She has crafted positive relationships with Regional Officers, Committee, Section, Chapter, and Student Branch leaders and members across the globe from her many years of Service, including the following:

- IEEE-USA: VP of Communications and Public Awareness (2022), Public Policy Industrial Representative (2021-2022)
- IEEE, MGA & Region 2: Strategic Planning Coordinator, GUOS Committee, Region Vitality Coordinator, Student Representative, Conference Coordinator, VOLT Volunteer (2015-2022)
- IEEE Section: NoVA Director, Section Vice Chair, Secretary, Membership Development (2011-2017)
- IEEE Affinity Group: NoVA/DC Women in Engineering Chair (2016-2017)
- IEEE Chapter: NoVA/DC Computer Society Chair (2011-2016)

Her breadth of experience with the organization has enabled her to build offerings using the triad of strategy, mission, and operational initiatives to drive successful innovation, collaboration, and leader and member outcomes. Her change management, innovation, and continuous improvement experience allows her to lead proactively, collaboratively, and in a relationship-oriented way to bring people together constructively under the auspices of the mission, vision, and goals, and in support of the cultural expansion of the various OUs to reach WIN-WIN-WIN outcomes.

She harnesses her consulting background to provide leaders and teams organizational assessments, recommendations, strategic, business, and operational plans, integrated master schedules, electronic Section Vitality Checklists, balanced portfolio budgets using quantifiable prioritization, and performance management progress reports and dashboards to consistently drive awareness, shared understanding, and a collaborative approach on the way forward. With these she has helped to more clearly define roles and responsibilities and drive deeper engagement for mutual benefit.

She was seminal in putting together and fielding an outreach plan to drive awareness, education, and collaboration using communications, marketing, and publicity to drive member recruitment, retention, and engagement.

For IEEE Region Delegate-Elect/Director-Elect, 2023-2024
IEEE Region Delegate/Director, 2025-2026
IEEE Region 2 (Eastern USA)



FELICIA HARLOW

(Nominated by IEEE Region 2)

Senior Security Research Engineer
Air Force Research Laboratory Sensors Directorate
Wright-Patterson Air Force Base
Beavercreek, Ohio, USA

Felicia began her current career at the Air Force Research Laboratory (AFRL) after retiring from the US Air Force in 2005. She started out in the Information Directorate working on distributed collaborative systems, then moved on to the Sensors Directorate where she began developing cyber protections for avionics systems and is currently a security research engineer developing technology tools and solutions for the Department of Defense security & intelligence community. Her diversified experience included managing a \$10M state-of-the-art lab supporting multiple in-house research missions and to her current focus on managing a multimillion-dollar digital transformation effort for the AF Security community enterprise.

She received her B.S. in Computer Engineering from the University of Central Florida (summa cum laude) and her M.S. in Computer Engineering from the Air Force Institute of Technology. She lives in Beavercreek, OH with her dog, Bixby.

Statement

As a 14-year IEEE volunteer, I have been committed to the success of my Section & Region. Extensive experience in volunteerism and career helped me develop excellent communication, time and resource management skills. I've also trained and inspired other volunteers on their journey. I've learned directly from my experience the crucial qualities embodied by the most successful region directors and would fully devote myself to this position during my potential term.

With my knowledge and experience in IEEE, my objectives are simple and practical:

- Re-engage section membership: The region needs to reach back to the disengaged section members to show them the value of their membership.
- Financial Transparency / Revenue Streams: Members need to know that we are being good stewards of membership dues. We need additional revenue from conferences and workshops to counter declining membership.
- Develop mentorship programs for volunteers, students and young professionals: Region membership is aging and a wealth of knowledge of IEEE and career planning could be passed through programs between life and senior members to energize young professionals and students.

IEEE Accomplishments and Activities

(AF'07-M'09-SM'12)

IEEE COMMITTEES/BOARDS:

- IEEE-USA Conferences 2016-2018
- IEEE MGA N&A 2020-2021

REGIONS:

- R2 Executive Committee - Secretary 2014-2017, 2019-2020
- R2 Conferences 2013-2014, 2016-2017, 2022
- R2 Webmaster/Information Management/vTools Representative 2014-2017

SECTIONS/CHAPTERS:

- Dayton Executive Committee - Secretary 2008-2011, 2016-2022
- Founding Chair - Dayton WIE-YP (Women in Engineering/Young Professionals) Affinity Group 2015-2016
- Dayton PACE (Professional Activities Committee for Engineers) Chair 2011-2019
- Dayton Webmaster 2014-2021

IEEE-HKN/HKN: Member

CONFERENCES:

- IEEE WIE Forum USA East Organizing/Steering Committee - 2015-present
 - General Co-Chair - 2017, 2019
 - Registration/Local Arrangements Chair 2015-Present
- WIE International Leadership Conference 2018-2019 Vice Co-Chair
- International Conference on Collaboration Technologies and Systems (CTS) - 2007-2016
 - Organizing/Steering Committee, Local Arrangements & Social Events Chair
 - International Conference on High Performance Computing (HPCS) - 2011-2016
 - Local Arrangements & Social Events Chair
- National Aerospace & Electronics Conference (NAECON) 2008-2021
 - Multiple positions over many years: Steering Committee, General Co-Chair, Vice Chair, Tutorials Chair, Local Arrangements Chair, Registration Chair

OTHER: Computer Society Member, Women in Engineering Member

MAJOR ACCOMPLISHMENTS

- 2016 WIE Inspiring Member Award - Honorable Mention
- 2015 Founding Chair of Dayton Section WIE-YP Affinity Group (First such joint group in IEEE)
- Founding Organizer for revived R1/R2 WIE Forum (2015-Present)
- Submitted/prioritized vTools enhancements from 2014-2017, (i.e., e-notice and events)
 - Consolidated region volunteer inputs for recommended improvements
 - Organized & conducted west area volunteer training sessions in region
- Co-organized inspiring and successful STEM workshop for Boolean Girls as General Co-Chair of 2019 WIE R1/R2 Forum
- Co-organized first combined R1/R2 social activities at 2017 Sections Congress

For IEEE Region Delegate-Elect/Director-Elect, 2023-2024
IEEE Region Delegate/Director, 2025-2026
IEEE Region 4 (Central USA)



TAREK LAHDHIRI, PhD, PE, PMP, BB-DFSS, SMIEEE
(Nominated by IEEE Region 4)

Global Strategy Leader
Real-Time Control Systems Simulation and Automation
Global Validation Department
General Motors Company
Warren, Michigan, USA
<http://TarekLahdhiri.com>

Dr. Lahdhiri received his MS-EE in Communication Systems in 1990 and PhD in Control Systems in 1995. He is currently working for General Motors LLC in Detroit, where he is the Global Strategy Leader for Real-Time Control Systems Simulations and Automation within the Global Validation Department.

Dr. Lahdhiri is an IEEE Senior Member, licensed Professional Engineer (PE) in the state of Michigan, licensed Project Management Professional (PMP), Black Belt DFSS certified by General Motors LLC, and holder of the Electrical Validation Journeyman and Vehicle Validation Apprentice Certifications issued by General Motors, Detroit, USA.

Dr. Lahdhiri has been involved with several universities where he held the positions of Research Associate, Adjunct Professor, and Lecturer at the University of Windsor, Ontario, Canada, University of Detroit Mercy, Detroit, Michigan, and University of Michigan, Dearborn, Michigan. He taught several classes in various Electrical Engineering disciplines and he was involved in many research projects.

Statement

I have dedicated my time and efforts to enhance IEEE member services.

My activities are member driven and I believe that the only way for growth for our Region is to:

- Engage our members and interact with them at the Section/Chapter level,
- Increase the effectiveness of the current product and services and develop new ones that fit our member needs,
- Timely reaction to the challenges in today's dynamic workplace,
- Build stronger relations with industries,
- Leverage my IEEE, industry, and academic experience to bridge the gap between academia and industry,
- Promote YP, WIE and Student Activities,
- Increase collaboration between the different Committees,

- Establish University and Corporate Liaison positions at the Region level,
- Devote more resources to assist with the continued rejuvenation of all Sections within the Region,
- Implement new initiatives to decrease the declining number of members within the Region,
- Collaboration with other Regions,
- Balanced Budget while getting the best service to our members.

I would like to be given the opportunity to leverage my IEEE, professional, and educational experience in better serving our members.

IEEE Accomplishments and Activities

(S'92-S'96-M'99-SM'03)

Dr. Lahdhiri has been involved and active IEEE member for more than 30 years. He started as a student member in the Central Tennessee Section. Then he moved to Region 4, where he became active and held several positions including Professional Activities Committee for Engineers (PACE) Chair, Southeastern Michigan Section (SEM) and IEEE Student Counselor, University of Windsor (IEEE-SEM Section), and member IEEE-USA 1998 GOLD Committee. These assignments gave him a better and broader idea about IEEE activities and he moved to the Region and IEEE-USA levels where he served as Region 4 Membership Development Chair, member of the IEEE RAB Industry Relations Committee (IRC), MGA Nominations and Appointments Committee (N&A), IEEE-USA Employment & Career Services Committee (ECS), co-chair of IEEE-USA Career workforce Policy Committee (CWPC), and Vice President of IEEE-USA Career and Member Services/Professional Activities (2018-2019). He is currently the Region 4 PACE Chair and the PACE Liaison within the IEEE-USA Career and Professional Development (CPD) Committee.

Dr. Lahdhiri has been an advocate in promoting/raising the awareness of the need of soft skills for engineers through IEEE-USA PACE, ECS, and CWPC committees. He contributed to the development and deployment of several IEEE-USA packages in these topics: Project Management (PM) for Engineers, Design For Six Sigma (DFSS), Leadership Skills, Resume Development, Job Interview, Career Development, and Job Transition. He provided over 100 free professional seminars, workshops, and webinars across IEEE's six regions in the United States.

Dr. Lahdhiri has been promoting many IEEE events through the PACE program: IEEE-USA Annual Meetings, Future Leader Forums, IEEE WIE, K-12 STEM, Government Relations, students SPACs, and Career events.

Dr. Lahdhiri received several awards: 2012 IEEE-Region 4 Jack Sherman Award, 2007 IEEE-USA Citation of Honor Award, 2004 IEEE-USA Leadership Achievement Award, 2003 IEEE Southeast Michigan Best Involvement Award, and 2001 IEEE-USA Professional Achievement Award.

For IEEE Region Delegate-Elect/Director-Elect, 2023-2024
IEEE Region Delegate/Director, 2025-2026
IEEE Region 4 (Central USA)



HAMID VAKILZADIAN

(Nominated by IEEE Region 4)

Professor
Department of Electrical and Computer Engineering
University of Nebraska-Lincoln (UNL)
Lincoln, Nebraska, USA

Hamid Vakilzadian is an IEEE Life Senior Member and an active volunteer with over 18 years at the Chapter, Section, and Region levels. He has over 5 years of industry experience in the power industry, working as a design engineer, quality control, and field engineer, and more than 35 years of academic experience at the University of Nebraska-Lincoln's ECE Department, following his doctorate degree.

Hamid has held leadership positions at the Chapter, Section, and Region committees, setting goals and strategies to achieve them successfully.

Hamid is a tenured ECE faculty, teaching courses in digital systems, modeling and simulation and conducting research in his teaching areas, neural networks, data mining, machine learning, and their applications in the cardiovascular area in collaboration with the University of Nebraska Medical Center faculty.

Hamid holds a BS in electrical engineering from Sharif University and an MS and PhD in ECE from the University of Arizona.

Statement

As a dedicated IEEE volunteer and having served in various leadership roles on IEEE chapter, section, and region committees, I have found that IEEE volunteers are community leaders with vision and skills. Our Society's strength, besides being technological, also lies in its members' spirit, capabilities, and devotion. For this purpose, my priorities for IEEE Region 4 members are:

1. Developing membership and improving member engagement by providing sections that follow best practices to bring meaningful content to meet members' needs,
2. Recruiting new volunteers and promoting diversity and inclusion; open and inclusive environments improve vitality, membership experience, and volunteer recruitment,
3. Providing regional support to help sections develop a hybrid approach (combination of in-person and virtual meetings) that all can use,
4. Integrating student branches into sections' social and technical meetings for networking and increasing awareness of practical and emerging issues,
5. Expanding collaboration among sections, chapters, and affinity groups and provide support for our students, Young Professionals, LMAC, PACE, and WIE through mentorship, engagement, and activities at the Section, Student Branch, and Regional levels.

IEEE Accomplishments and Activities

(S'82-M'84-S'85-M'86-SM'91-LS'16)

I have served in a wide range of leadership roles, interfacing within many levels of IEEE committees, ranging from Chapter to Section and Region to IEEE-USA. The following is a brief list of my activities:

IEEE-USA:

- Professional Activities Committee for Engineers (PACE), 2007-2010
- Presenter (2019) and co-presenter (2018) at IEEE-USA Annual Meeting

Region 4:

- Medium Sections Area Chair, 2017-present
- Awards & Recognition Committee Member, 2010-present
- Strategic Planning Committee Member, 2003-2006 and 2016-present
- EIT (IEEE International Conference on Electro Information Technology):
 - Organizer and General Chair, 2004-2005, 2016-2017
 - Organizing Committee, 2006-present
- Region 4 Nominee for Director-Elect position, 2016, 2018
- Xcom Member, 2014-present
- Technical Activities Committee Chair, 2010-2016
- PACE Chair, 2007-2010
- West Area Sections Chair, 2003-2006

Nebraska Section:

- Xcom Member, 2004-present
- Nominations and Appointments Chair, 2004
- Xcom Chair, 2003
- Vice-Chair, 2002
- Secretary/Treasurer, 2001

Computer Society Chapter:

- Computer Society, Member of MGAB Richard E. Merwin Award Applications, 2013 and 2016-2018
- Nebraska Chapter Chair, 1999-2000 and 2012-present
- Nebraska Chapter Vice-Chair, 2002

Significant Achievements:

IEEE-USA George McClure Citation of Honor for unequalled commitments to the growth and prosperity of the Electro-Information Technology (EIT) Conferences and for leadership in Region 4 Technical and Professional Activities.

As organizer and general chair of Region 4 international EIT conferences in 2005 and 2017, with the technical cooperation of the IEEE Communications Society and IEEE Power and Energy Society, Hamid furthered the value of this conference for the local, regional, national, and international attendees.

He is a recipient of IEEE-USA Regional Professional Leadership Award for efforts in promoting PACE activities within Nebraska Section and West Area of Region 4; Nebraska Section Award for Leadership, Management, and Contribution to the Section; IEEE Region 4 Conference Committee Awards for contribution as the organizer and conference general chair (2005 and 2017) and contributions to the success of EIT conferences, 2003-2004, 2006-2016, and 2018.

For IEEE Region Delegate-Elect/Director-Elect, 2023-2024
IEEE Region Delegate/Director, 2025-2026
IEEE Region 4 (Central USA)



CONSTANCE "CONNIE" A. KELLY

(Nominated by IEEE Region 4)

Chair
Northwest Subsection - Chicago
Des Plaines, Illinois, USA
conniekelly.com

Constance Kelly (Connie) has been interested in technology her entire life. Connie got her ham radio license as a preteen after reading a book on a young girl's introduction to ham radio. The electronics involved led her to numerous extra-curricular STEM programs, putting her on a path to an engineering school scholarship, unheard of for girls at that time.

She has been a member of the Air Force Auxiliary starting as a teen-aged Cadet. As a Senior Member she certified as an Incident Commander and a Master Communicator. A LtCol, she has sat on committees at all levels in cadet program, communications, and aerospace education. In the 90's her engineering experience led her to introducing Cadets to STEM programs and activities outside CAP.

In addition to IEEE and CAP, Connie is a member of Hamfesters Radio Club, Chicagoland Flight Instructors Association, Experimental Aircraft Association, and American Radio Relay League.

Statement

I would strive to promote IEEE and its capabilities outside the Organization, while using the data at hand to invigorate and grow the society involvement. Making meeting information available to local companies, schools and libraries on a regular basis will supplement social media presence.

Elected officials would be made fully aware of IEEE's capabilities and willingness to assist when technical expertise is needed.

To assist and retain members I would institute a policy or reviewing members' needs and interests and implement programs to satisfy those needs.

Senior Elevation Meet-and-Greets at all IEEE activities and quarterly Virtual Senior Member Reference Panels with special attention to elevating all Life Members would be institutionalized.

Promotion of IEEE Day offerings by Sections and Chapters, the creation of

SIGHT Groups and HAC grants, Engineers' Week, Girl Day and Global Day of the Engineer activities would be stressed.

Programs supplementing university programs and mentoring begins with better utilization of Life Members. Family Friendly Technical activities allowing members to include young family members in IEEE activities begins IEEE Branding.

IEEE Accomplishments and Activities

(M'87-M'95-SM'15-LS'21)

Connie began in IEEE as an IIT EE undergrad.

She was an IEEE SA founding member where she worked on P1052 – Medical Information Bus (MIB) and P1157 – Medical Information Interchange (MEDI X), and later P1583 – Voting Machine Standards.

She held positions including Chair – Chicago Chapter, Engineering in Medicine and Biology (EMB), Chair – Chicago Section, IEEE Day R4 Lead, Member – IEEE-USA National Engineers' Week Committee. Currently she serves as Vice-Chair - IEEE Day Committee, member – IEEE Humanitarian Activities Committee (HAC), Member – Region 4 Special Projects Committee, K-12 STEM Coordinator, Member – EAB Pre-University Education Coordinating Committee (PECC), Chicago Education Chair, Northwest Subsection Chair.

Connie developed protocols including implementation materials for Virtual Senior Member Reference Panels, allowing members needing references to meet with willing references to facilitate their elevation to Senior Member. This protocol is now being used worldwide.

She sat on committees for two International IEEE-EMB Conferences and three Chicago Section Symposia, presented over two dozen papers at conferences. She served on EAB-PECC Planning Committee for the first STEM Summit, participating on two Panels; Planning Committee for SIGHT Training Program, presenting at the activity.

For IEEE Region Delegate-Elect/Director-Elect, 2023-2024
IEEE Region Delegate/Director, 2025-2026
IEEE Region 6 (Western USA)



JOSEPH C. WEI
(Nominated by IEEE Region 6)

Managing Director
Technology Ventures Group (TVG)
Cupertino, California, USA
<https://josephwei.wixsite.com/region6directorelect>

Joseph Wei is the Managing Director of Technology Ventures Group (TVG), an advisory firm for startups and corporations on developing innovative solutions utilizing sensors, mobile and cloud technologies. While running TVG, he co-founded the Lab360 Startup Incubator which invested and accelerated startups focusing on IoT and wearable devices.

Previously, Joseph held executive positions at Inventec Corp., NEC, SGI, and DEC (both were acquired by HP). He is a frequent speaker at conferences globally on entrepreneurship and the latest wearable/IoT technologies. In addition, he mentors startups at Plug and Play, Alchemist Accelerator, and University of Toronto Entrepreneurship Hatchery.

Joseph received his Bachelor of Science in Electrical Engineering from Tufts University and completed entrepreneurship courses at Stanford University. He is a senior member of IEEE, a member of IEEE-HKN Honor Society and has been a member of IEEE for over 30 years.

Statement

As a member of IEEE for over 30 years and having been elected three times chair of the Santa Clara Valley Section, the largest section with over 30 active OUs, I have developed strong insights and relationships with members in Region 6 and beyond. I volunteered in various capacities in Region 6, SCV Section, YP, EMBS, MEMS & Sensors, CT Society, IEEE conferences such as WIE-ILC, GHTC, IEEE Sensors and VICS/Awards Ceremony as well as helped organized an exhibit booth at Maker Faire in San Mateo.

My diverse work experience ranges from holding leadership roles with large global computer companies to founding startups to running a startup incubator. I'll leverage my experience to:

- Energize Region 6 volunteers by providing them with better tools to enable them to perform the tasks in supporting IEEE more efficiently and effectively.
- Promote sharing of best practice ideas amongst all Region 6 Section chapters and promote co-sponsored chapter events.
- Increase collaboration opportunities between IEEE and professionals in tech companies in Region 6 by aligning the IEEE values with the priorities of these professionals.

IEEE Accomplishments and Activities

(S'81-M'81-M'93-SM'13)

I was elected as the Chair of the Santa Clara Valley (SCV) Section (the largest Section in IEEE) for three terms. I initiated operational improvements to allow Executive Committee members to fulfill their duties more efficiently and effectively. The results of these improvements led SCV to receive the Outstanding Large Section Awards from MGA, Region 6 and from the Region 6, Central Area. As the SFBA Consumer Technology Chapter Chair, I led the chapter in growing membership over 25% and formed the SF/OEB/SCV joint chapters.

Region 6

- Chair, Admissions and Advancement - Senior Membership (2022-present)

Council Officer

- San Francisco Bay Area (SFBA) Council (2014-2018)
- Central Area Chair, Region 6 (2018)

Society

- Consumer Technology Society Representative to Sensors Council (2019-present)
- Associate Editor, *IEEE Consumer Electronics Magazine* (2020-present)
- BoG, VP of Industrial Relation, VP of Education, Distinguished Lecturer - IEEE Consumer Technology Society (2015-2019)
- Conference paper reviewer, GCCE (2014)

Committee

- Partnerships Vice-Chair, IEEE Entrepreneurship (2022-present)
- Partnerships Vice-Chair, IEEE Awards Board Presentation & Publicity Committee (2018-2021)
- IEEE Vision Innovation Challenge Summit and Awards Ceremony Planning Committee (2018-2021)

Section

- Chair, Vice-Chair, Industry Liaison Chair, Entrepreneurship Chair - SCV Section (2014-present)

Chapters

- Founding-Chair, Young Professionals - SCV Startup SIG (2020-present)
- Chair, Vice-Chair, Treasurer, Program Chair, webmaster, N&A Chair - SFBA Consumer Technology Chapter (2011-present)
- Treasurer, EMBS (2020-2021)
- Advisor SSIT-SCV (2016-present)
- N&A Chair, LMAG-SCV (2021-present)

Events

- Co-Chair, Sponsorship - IEEE Sensors 2022
- IEEE Project lead, San Jose Digital Inclusion Hotline program (2021)
- Sponsorship Chair, IEEE GHTC (2014-2018, 2022)
- Organizer, IEEE Brain Data Bank Challenge/IEEE Brain Initiative (2020)
- Strategic Advisor, IEEE Women in Engineering International Leadership Conference (WIE ILC) (2015-2018)
- Organizer, Female Founders Startup Pitch Competition, IEEE WIE ILC (2018)
- Organizer, SCV Section exhibit booth at Maker Faire (San Mateo) (2014-2019)

Awards

- IEEE Santa Clara Valley Section Chair Special Award (2020)
- IEEE Region 6 Director Special Award (2015)

For IEEE Region Delegate-Elect/Director-Elect, 2023-2024
IEEE Region Delegate/Director, 2025-2026
IEEE Region 6 (Western USA)



GORA DATTA, FHL7
(Nominated by IEEE Region 6)

Founding Chairman & CEO
CAL2CAL Corporation
Irvine, California, USA
<https://www.goradatta.com>

My name is Gora DATTA. I am an ICT (information and communication technology) professional with 38 years of multi-national experience. I specialize in Digital Health Informatics and I am a pioneer in the field of Mobile Health standards.

I am an international entrepreneur and a leader. The group company that I founded 26 years ago, CAL2CAL Corporation, is still going strong. Besides my industry experience, I also cross the world of academia – I am a Visiting Scholar at University of California Berkeley, I am on the Management Board of Trustees of a University and on the Program Advisory Committee of 6 other Universities and Colleges, and I am also part of a High School District's Advisory Committee. On my Professional front, I work very closely with multiple County, State and Federal entities – and therefore I bring to you a perfect mix of industry, academia and government experience and expertise.

Statement

IEEE Region 6 includes members from multiple western states; all the way from Alaska to Hawaii and many states in between. As the R6 Director, I will ensure that our Region expand from a niche and loosely connected divergent set of members & Sections, Councils, Chapters to a cohesive, interactive and a thriving group of members focusing on the following:

- Expanding Member's Career, Growth & Knowledge
- Promoting Diversity, Equity, Innovation & Outreach
- Developing future Technology Leaders, Innovators, Entrepreneurs, Educators
- Enabling workforce development by mitigating skills-gap, upskilling & reskilling our members

IEEE Region 6 members of today are known as energetic volunteers who find time for IEEE activities in between their day-job and free time in the evenings/weekends. As Region 6 Director, I will bring new transformation ideas so that IEEE activities becomes part of what defines you as a person. It is not something that comes as an afterthought. How can we bring "technology for

humanity” when it is something you do only if and when you find free time – it must become 2nd nature!

IEEE Accomplishments and Activities

(AF'94-M'07-SM'08)

I am a Senior Member of IEEE and a member of IEEE Computer Society for over 28 years.

I am also a member of TEMS for over 7 years, EMBS for over 6 years, Standards Association member for 5 years, and also a WIE Affinity Group member for over 2 years.

At IEEE, I have held and continue to hold several leadership positions:

- IEEE Speaker
- IEEE VoLT2 Graduate
- IEEE-USA Congressional Visit Member
- At local level – past Orange County Section Chair, its past Vice Chair, its past Treasurer and its past ExCom member-at-large for several years,
- At MGA Geographic Council level: Current and founding Chair of Southern California Council
 - Chair Cybersecurity SIG
- At Computer Society – member of CS Board Geographic Activity Committee and member of several Ad-Hoc committees; Vice Chair Orange County Chapter
- At EMB Society – Vice Chair Orange County Chapter
- At Society on Social Implications of Technology: founding member Technical Committee on Sustainability
- At Standards Association
 - Industry Connections: Chair Mobile Health Apps Standards & Laboratory Services Program
 - Industry Connections: Member of Sustainable Infrastructures & Community Development Program
 - o Sustainability Digital Finance Sub-Committee member
- Also, at IEEE Board Committee level
 - Future Directions Blockchain Initiative Executive Committee member and Chair of its several initiatives – Chair Healthcare, Chair Tech Briefs, Co-Chair Conferences and Events
- MCE (meetings, conferences and events)
 - 2021 Chair of SusTech Conference: a R6 flagship conference. Earlier was its vice-chair for 2 years.
 - Founded a year-long Virtual Series called IEEE Healthcare: Blockchain and AI Virtual Series – a concept now gaining traction but was unique when it was started in the early days of Pandemic in 2020. Now in its 2nd year of operation.
 - Founding Chair of 2022 IEEE Global Emerging Technology Blockchain Forum: blockchain and beyond.
 - Co-Chair Digital Health Workshop @ IECON2022

For IEEE Region Delegate-Elect/Director-Elect, 2023-2024
IEEE Region Delegate/Director, 2025-2026
IEEE Region 8 (Europe, Middle East and Africa)



MICHAEL G. HINCHEY
(Nominated by IEEE Region 8)

Professor and Head of Department
Department of Computer Science and Information
Systems
University of Limerick
Limerick, Ireland
mikehinchey.info

Mike Hinchey is Chair of IEEE Global Public Policy Committee, and the IEEE Conduct Review Committee. He is serving on the 2022 IEEE Computer Society Board of Governors and on the *Computer* editorial board.

He chairs the IEEE R8 Membership Development committee. He has also served as Chair of the UK & Ireland Section.

He is President of IFIP, (International Federation for Information Processing) Emeritus Director of Lero — the Irish Software Research Centre, and Professor of Software Engineering and Department Chair at University of Limerick, Ireland. He was SEARCC Global ICT Professional of the Year in 2018.

Previously, Hinchey was the Director of the NASA Software Engineering Laboratory.

Hinchey holds a BSc in Computer Systems from University of Limerick, MSc in Computation from University of Oxford, and PhD in Computer Science from University of Cambridge.

He is an Honorary Fellow of Computer Society of India.

Statement

To IEEE Region 8 I would bring an international leadership perspective and global connections that would help sustain and expand the Region's presence, and also improve the professional practices of engineering professionals. I've been the Director of an international software engineering center, I'm just completing my second term as President of the International Federation for Information Processing, have worked with the United Nations and UNESCO, and led the software engineering laboratory in NASA. In this work, I have actively supported programs that encourage girls, minorities, native communities, and under-represented parts of the world to consider STEM careers. I've been involved in projects that bring technology and Internet access to people in under-served regions and helped bring technological employment to those areas. I've mentored and supported students and young professionals worldwide, including through my own Section's activities. In serving as Director, I would encourage the Region to be more globally connected, to embrace a new generation of engineers, and to support the work of members, no matter where they may live and work.

IEEE Accomplishments and Activities

(M'91-SM'02)

CONFERENCES:

- Co-Founder, IEEE International Conference on Formal Engineering Methods (ICFEM), Co-Chair 2005-2007
- Co-Founder, IEEE International Conference on Software Engineering and Formal Methods (SEFM), Co-Chair 2002-2004
- Co-Founder IEEE International Conference on Engineering Complex Computer Systems (IEEE ICECCS)
- Founder, IEEE Software Engineering Workshop and IEEE/NASA Software Engineering Workshop, Chair for SEW-26 to SEW-35
- Co-Founder, IEEE Workshop on Engineering Autonomous and Autonomic Systems (EASe)
- Co-Founder, IEEE International Workshop on Industrial-Strength Formal Specification Techniques (WIFT)
- Co-Founder, IEEE/NASA Workshop on Formal Approaches to Agent-Based Systems (FAABS)
- Established IEEE Space Mission Challenges for IT (SMC-IT) as an IEEE event
- Chair, IEEE Engineering Computer-Based Systems 2005 (ECBS 2005)
- Co-Founder and Chair of several IEEE conference series
- Member, Program Committees for dozens of IEEE conferences/workshops
- Keynote speaker at dozens of IEEE events worldwide

COMMITTEES/BOARDS:

- Computer Society BoG (2022)
- Global Public Policy Committee (2022-present)
- Public Visibility Committee, Vice-Chair (2021-present)
- Conduct Review Committee, Vice-Chair (2021-present)
- Conference Approval Review Committee (2022-present)
- Distinguished Women in Science and Engineering Committee (2022-present)
- IEEE-CS Technical Activities Board (1996-2000; 2004-2012)
- IEEE-CS Conference Publications Operations Committee (2006-2016)
- Computer editorial board (2007-2016; 2019-present); guest editor of 3 special issues (NASA 50th anniversary, Software Engineering, Evolving Critical Systems)
- Distinguished Visitor Program, 2006-2008
- Member, IEEE-CS Conference Publications Oversight Committee (2006-present)
- Editorial Board member, Computer and editor of Software Technologies column (2005-2015, 2019-present)

CHAPTERS/SECTION/REGIONS:

- Vice-Chair, IEEE UK & Ireland Section (2016-2017)
- Chair, IEEE, UK & Ireland Section (2018-2019)
- Past Chair, IEEE UK & Ireland Section (2020-2021)
- Keynote speaker: 2018-2020, IEEE Young Professionals events including Region 8 YP flagship event, WESYP 2019
- Chair, Region 8 Membership Development subcommittee (2020-present)
- Member, Region 8 Membership Development committee (2018-present)

He was 2018-2019 Chair of UK & Ireland Section which was the largest Section outside Silicon Valley, growing its membership substantially, and establishing cross-section collaborations.

He is a regular public and keynote speaker at IEEE events.

For IEEE Region Delegate-Elect/Director-Elect, 2023-2024
IEEE Region Delegate/Director, 2025-2026
IEEE Region 8 (Europe, Middle East and Africa)



ADEEL SULTAN

(Nominated by IEEE Region 8)

Director
Emirates Telecom (Etisalat)
Dubai
United Arab Emirates

Adeel Sultan (SMIEEE/HKN), a seasoned Telecommunications Engineer with specialization in microelectronics, is an Alumnus of McGill University (Montreal, Canada). A long-time Dubai resident, he is currently a Director/PMO with the region's largest Telco. Adeel has pioneered many business process/program strategies and was instrumental in developing org-management and knowledge-sharing platforms. He is a Founder/CEO of an online NFP business, and as a technology enthusiast, he frequently speaks at various events/forums. Adeel is part of a diverse group of technical/editorial boards and innovation committees, especially those involved in the development/enhancement of AI/IoT based educational technologies. As a keen advocate for providing equitable/inclusive opportunities to all, he not only participates in a wide-range of humanitarian projects, but is also a senior-member of the corporate DEI think-tank. Adeel is a dedicated senior/executive IEEE volunteer, who has served as an advisor on institutional boards, and is also an active member of various other professional organizations.

Statement

I am well versed with the needs and requirements of our global/regional members and with the overall functioning of IEEE operational/business model. We, as an organization, thrive together with our volunteers and members and engaging/appreciating them is fundamental to our philosophy. Hence, my strategy to further enhance/achieve our common objectives will be to:

- Promote Equity/Inclusion through equitable engagement & cross-collaboration.
- Nurture Members by providing them with optimized, flexible & customized Membership Models.
- Facilitate Student Retention by providing extra support during transitional phases.
- Introduce cutting-edge Professional Education and Mentorship programs by leveraging upon emerging technologies.
- Implement agile mechanisms to engage more closely with the industrial partners.
- Encourage more Humanitarian Initiatives to ensure equal opportunities/facilities for less privileged.
- Augment Region's credibility/representation on a global scale to ensure

that our diversified regional needs/requirements are adequately addressed.

With my clear strategic vision & absolute passion, I'm fully committed to serve the IEEE members, our Region and our Community, to create an all-inclusive Region 8 and IEEE, where everyone is equally engaged/empowered and feel proud to call IEEE their professional home.

IEEE Accomplishments and Activities

(M'05-SM'13)

Adeel has held various executive positions within IEEE (UAE and Ottawa Sections, Region8, R8-Opcom & MGA). His exceptional efficiency and professionalism not only resulted in the growth of respective sections but also in the enhancement of their credibility. In UAE, he managed to raise the stature of technology in general and IEEE in particular. For his remarkable services, Adeel received the prestigious "**Region 8 Outstanding Volunteer Award**" and multiple accolades from UAE Section and GCC Region.

As **Chair Publications & Communications R8**: Adeel was instrumental in synchronizing & standardizing the region-wide communication platforms/channels and in enhancing the overall member collaborative/cooperative experience.

As **Vice-Chair UAE, Vice-Chair MA R8, Chair MA/MD (UAE) & Chair MD R8**: Adeel was pivotal in looking after the betterment of IEEE members. He implemented a unique 3C methodology to augment cross-functional teamwork. Under his leadership, Region 8 & UAE Section witnessed consistent growth, equitable empowerment and inclusive engagement.

As **Chair MEC UAE**: Adeel initiated the "Member-Engagement-Committee" to create a smart network of ambassadors in numerous organizations which resulted in elevated member participation & increased retention.

As **Treasurer UAE**: Adeel seamlessly managed the section's finances covering all aspects of budgeting/invoicing/payments, including successful management of numerous sectional events and international conferences within R8.

As **Chair PA UAE**: Adeel actively worked towards the career/personal development by facilitating the DLP programs and by promoting EI/TE/TISP/STEM within R8.

As **Member, MGA MBPAC & MGA AA**: Adeel helped address R8's diverse challenges and requirements while also influencing practical solutions for the Global member-base. He also suggested realistic benefit enhancements to provide greater member satisfaction, advancement & career growth.

Adeel's well-rounded experience & activities portfolio has greatly enhanced his understanding of the diverse needs of the IEEE community, and his major accomplishments are a clear testament to his committed teamwork, consistent performance, and efficient leadership.

For IEEE Region Delegate-Elect/Director-Elect, 2023-2024
IEEE Region Delegate/Director, 2025-2026
IEEE Region 10 (Asia and Pacific)



TAKAKO HASHIMOTO
(Nominated by IEEE Region 10)

Vice President and Professor
Chiba University of Commerce
Chiba, Japan

https://takako.info/r10_director_elect_candidate/

Takako Hashimoto graduated from the Ochanomizu University in Japan and received a Ph.D. in engineering from the Graduate School of Systems and Information Engineering, University of Tsukuba. She worked at the Software R&D Center of Ricoh Co. Ltd., Japan, and became Associate Professor of Chiba University of Commerce. In 2015, she was a visiting researcher at the University of California, Los Angeles. She is currently the Vice President and Professor of the Faculty of Commerce and Economics at Chiba University of Commerce. Her work is focused on data mining research and social media analysis, especially topic extraction from millions of tweets related to disasters and the COVID-19 pandemic. She served as a Board Member of the Database Society of Japan, Research Fellow of the University of Tokyo, and Fellow of Information Processing Society of Japan. She is a recipient of the 2019 MGA Larry K. Wilson Transnational Award.

Statement

With approximately 150K members, IEEE Region 10 (Asia & Pacific) continues to grow even under the challenging situation and is the largest, the most diverse, and one of the most important regions in IEEE. If I am elected as the R10 Director, I would like to dedicate my experience and knowledge to the following matters.

- Initiate projects to provide lifelong education through IEEE's Learning Network to students, Young Professionals, Women in Engineering, seniors, and Life Members in R10 to learn new skills.
- Strengthen the relationship with industries, provide more tangible values to industry members.
- Enhance Reaching Locals project and promote innovative projects to develop effective local solutions.
- Promote diverse communication to enhance the presence of R10 members and encourage Diversity & Inclusion in IEEE.
- Respect diversity within R10 and actively represent the voice and

concerns of R10 in IEEE Board on various issues, including region realignment.

I am grateful for the many brilliant friends and valuable times spent in IEEE, and I look forward to building a brighter future with you in R10!

IEEE Accomplishments and Activities

(M'07-SM'09)

1. IEEE R10 Secretary (2019-20): Supported various activities in R10 under Prof. Akinori Nishihara, R10 Director (2019-20). Held the first virtual Region Meeting in IEEE under COVID-19 pandemic.
2. IEEE Japan Council Chair (2021-present): Working to deliver IEEE values to the members. Particularly, leading Engineer Spotlight as part of Reaching Locals projects, supporting membership elevation, industry promotion and Awards.
3. IEEE CS BoG (2021-present): Promoting Diversity & Inclusion as the D&I committee member, and conducting InTech Forum, focusing on industries.
4. IEEE WIE (Women in Engineering) Chair and Coordinator (2011-16): Successfully organized various initiatives such as IEEE WIE ILC, WIE ILS, Special Funding, Travel Grant, Magazines, Newsletters, New Web Site launch, and Scholarships.
5. IEEE MGA MRRC Chair (2017-18): Conducted more than 24 seminars/presentations to empower IEEE members on the web.

I have served in different positions such as IEEE WIE Chair (2015-16), IEEE Japan Council Chair (2021-22), IEEE R10 Secretary (2019-20), and continuously contributed to IEEE Headquarters, Region 10, and Sections/Councils. Through my experience, I could build a strong network in MGA, especially in R10. As a researcher, I have led various projects in the field of AI (data mining, topic extraction, etc.) and developed close relationships with top researchers in academia and industries. As the Chair of IEEE Japan Council with about 14K members, I support the activities of Students, WIE, YP, LM, MD, and EA, and lead various projects such as facilitating the bridge between sections and Chapters, encouraging membership elevation, and highlighting members' contributions. Recently, I have been promoting the IEEE Japan Council Manga Project, which is an outreach project using comics (in Japanese and English) to convey the pleasure of technologies to the younger generations, and has attracted attention from academic societies, governments, and companies.

For IEEE Region Delegate-Elect/Director-Elect, 2023-2024
IEEE Region Delegate/Director, 2025-2026
IEEE Region 10 (Asia and Pacific)



LING CHUEN "MICHAEL" ONG

(Nominated by IEEE Region 10)

Consultant
Singapore

ling-chuen-michael-ong.com

Michael Ong received the PhD degree from the University of Birmingham, UK. He was with Singapore Telecom as project manager for Singapore's first digital trunked radio system. From 1999 to 2020, he was a senior scientist and manager for the Smart Nation Programme at the Agency for Science, Technology and Research where he was also principal investigator for more than 10 national funded projects. He was an adjunct Associate Professor with the National University of Singapore, lecturing a postgraduate module in RF System Design from 1999 to 2015.

As past Region 10 Treasurer, he has intimate knowledge of its functions and organizational structure, and contributed significantly in overseeing its financial management. He has also established strong governance in conference organization with important roles as General and Finance Chairs. As Singapore Section Chair, he has encouraged students, YPs and WIEs to take up responsibilities and empowered them to run their activities.

Statement

Region 10 is the fastest growing region in IEEE with more than 150,000 members. By virtue of its location, R10 has a diverse and vibrant community to fuel its further growth. I will lead in the Region realignment, working with the stakeholders to implement a well-defined procedure and process for a united and inclusive new R10.

I am willing to devote my time to serve and lead R10 with dedication and commitment. If given the chance, I will work ardently in these areas:

- Sustaining the Sections and supporting the local technical communities.
- Promoting membership growth and relevance to existing and new members by promoting industry events to enable them to grow in their profession and careers.
- Serving members' needs, and adapting our benefits and services to address changing member demographics.
- Empowering and engaging students/YPs/WIEs in synergizing programs, grooming them to be future IEEE leaders.

I believe that I have the experience and competence to lead the activities, engage and build strong relations with our members and volunteers for a more vibrant and cohesive Region 10.

IEEE Accomplishments and Activities

(S'93-M'96-SM'03)

IEEE Activities:

Committees:

- IEEE Technical Program Integrity Committee (Member, 2022-present)
- IEEE Conference Application Review Committee (Member, 2021-present)
- MGA Membership Recruitment & Recovery Committee (Region Member Development Coordinator, 2015-2017, 2020)
- MGA Member Benefits Portfolio Advisory Committee (Member, 2014-2015)

Region 10:

- Sections Congress 2023 (Coordinator, 2022-present)
- Conference Quality & Management Committee (Chair, 2021-present)
- Conference & Technical Seminar Committee (Chair, 2019-2020)
- Member Development Committee (Chair, 2015-2018)
- Individual Benefits & Services Committee (Coordinator, 2013-2014)
- Treasurer (2011-2012)

Section/Chapter:

- Singapore Section (Chair, 2019-2020; Awards & Recognition Committee Chair, 2021-present; Vice-Chair, 2017-2018; Treasurer, 2015-2016)
 - Started the IEEE Industry Night in 2020 with the Institute of Engineers Singapore in conjunction with the IEEE Day celebrations, with speakers from the industry and academia in this networking event for members and non-members
- Singapore MTT & AP Joint Chapter (Chair, 2010-2011; Vice-Chair, 2009; Treasurer, 2008)
 - Started the MTT & AP joint Chapter Best Student Paper Awards in 2010

Conferences:

General Chair, General Co-Chair:

- IEEE International Symposium on Radio-Frequency Integration Technology 2012 (RFIT2012) (General Chair cum Finance Chair)
- Asia-Pacific Microwave Conference 2019 (APMC) (General Co-Chair)
- IEEE Region 10 Conference 2016 (TENCON) (General Co-Chair)

Finance Chair:

- IEEE GLOBECOM 2017
- IEEE MTT-S International Microwave Workshop Series on Advanced Materials and Processes for RF and THz Applications 2015
- IEEE MTT-S International Microwave Workshop Series on RF and Wireless Technologies for Biomedical and Healthcare Applications 2013
- IEEE International Topical Meeting on Microwave Photonics jointly held with Asia Pacific Microwave Photonics Conference 2011
- IEEE International Conference on Communication Systems 2006 & 2010
- Asia Pacific Microwave Conference 2009
- IEEE International Conference on Ultra-Wideband 2007
- IEEE International Workshop on Antenna Technology 2005

Technical Program Chair:

- Asia-Pacific Conference on Antennas and Propagation 2012

For IEEE Standards Association Board of Governors Member-at-Large, 2023-2024



DAVID T. CHEN, PhD

(Nominated by IEEE Standards Association)

Head of Industrial Wireless BU
Moxa Americas
Brea, California, USA

Dr. David T. Chen has over twenty-five years of industrial experiences working for Motorola, Nokia Siemens Networks, Nokia Bell Labs, Foxconn Industrial Internet, and Moxa Inc. He has been a seasoned executive with track records of leading global R&D organizations in advanced technologies and the wireless industry. Dr. Chen is currently the Global Head of Industrial Wireless Business Group of Moxa Inc. He has been actively participating and contributing to various standardization bodies, such as IEEE802.16, IEEE802.1, IEEE802.3, IEEE1588, IEEE1904, CPRI, 5G ACIA, 3GPP, etc. He has been the invited speaker in many industrial forums such as 4G World, IWPC, ITSF, WSTS, ICC, 5G ACIA, and many more. He has numerous patents, papers, and publications in various journals, conferences, symposiums, and standard bodies. He received his bachelor's degree in Electrical Engineering from National Taiwan University, and his Master and PhD degrees in Electrical Engineering and Computer Science from Northwestern University.

Statement

IEEE is a global technical society and the IEEE SA is a world leader in the development of standards that significantly influence and benefit our daily life. It will be a great honor and privilege to serve in the governance board to uphold the values, integrity, and reputations of IEEE SA.

IEEE Accomplishments and Activities

(M'14)

IEEE Standards Association:

- IEEE-SA BOG's Products and Services Innovation Strategic Management and Delivery Committee
- IEEE 802.3br Secretary

IEEE Standards Committees:

- IEEE 802.16e, Mobile Broadband Wireless Access System
- IEEE 802.16j, Multihop relay

- IEEE 802.16m, Mobile Wimax Release 2
- IEEE 802.3br_Interspersing Express Traffic
- IEEE 802.1CM_Time-Sensitive Networking for Fronthaul
- IEEE 802.1CMde Time-Sensitive Networking for Fronthaul - Amendment 1: Enhancements to Fronthaul Profiles to Support New Fronthaul Interface, Synchronization, and Syntonization Standards
- Many other ongoing IEEE 802.1 TSN standards

Conference:

- Organizer and Chair, IEEE ICC 2017 “5G C-RAN & X-haul” Industry Panel

Selected Publications:

- A Traffic Pattern Adaptive Mechanism to Bound Packet Delay and Delay Variation in 5G Fronthaul, EuCNC 2019
- Handling Delay in 5G Ethernet Mobile Fronthaul Networks, EuCNC 2018
- Link scheduling for mmWave WMN backhaul, 2017 IEEE International Conference on Communications
- Fronthaul Bandwidth Analysis and Latency Constraint Considerations, IEEE 802.1CM Time-Sensitive Networking for Fronthaul standard contribution
- Qbv Optional for Fronthaul over Ethernet, IEEE 802.1CM Time-Sensitive Networking for Fronthaul standard contribution
- 5G self-optimizing wireless mesh backhaul, 2015 IEEE Conference on Computer Communications Workshops (INFOCOM WKSHPS), pp. 23-24, 2015.
- TSN Fronthaul Considerations, IEEE 802.1CM Time-Sensitive Networking for Fronthaul standard contribution
- On the Analysis of Using 802.16e WiMAX for Point-to-Point Wireless Backhaul, 2007 IEEE Radio and Wireless Symposium, January 2007

Recognitions:

- IEEE Standards Association Awards for outstanding contributions to the development of IEEE Standard 802.1CM™ (2018) and 802.3br™ (2016)

Memberships:

- IEEE Standards Association
- IEEE Communications Society

For IEEE Standards Association Board of Governors Member-at-Large, 2023-2024



KISHIK PARK

(Nominated by IEEE Standards Association)

Vice-President & CSO

Destin Power Inc.

Naju-city, South Korea (Republic of Korea)

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

Dr. Kishik Park was educated at Seoul National University in Korea, where he obtained honors degree of B.A. in 1982 and M.A. in 1984. He 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 (Gov't 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 representative.

He wrote many books, published more than 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 incl. 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 int'l 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)

IEEE Board 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, 2013-2020
- 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

External Activities for IEEE:

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

For IEEE Standards Association Board of Governors Member-at-Large, 2023-2024



SHA WEI

(Nominated by IEEE Standards Association)

Deputy Chief Engineer
China Academy of Information and Communications
Technology
Beijing, China; and
Adjunct Professor
Xi'an Jiaotong University
Xi'an, China
www.linkedin.com/in/sha-wei

Dr. Sha WEI is dedicated in standardization and strategy analysis of Smart Manufacturing and Digital Transformation. In IEEE SA, she serves as the vice chair (M'21-22) and member (M'19-M'22) of NesCom and member of SASB (M'19-M'22) and CAG (M'18).

In Smart Manufacturing, she is the Chair of IEEE/C/Smart Manufacturing Standard Committee, P2672 Mass Customization and P3144 Digital Twin, and members of IEC/SyC Smart Manufacturing, ISO/IEC JWG21 Smart manufacturing reference model and ITU-T SG20 IoT and smart cities. She is the Technology Lead of multiple National-level Projects and first author of 9 National Standards, respectively.

In Digital Transformation, she is the convenors of ISO/IEC JTC1/SC41/WG6 Digital Twin and former AG11 Digital Twin; former chair of IEEE P2807 Knowledge Graph working group and committee members of ISO/IEC JTC1 SC42 Artificial Intelligence; and chair of IEEE P3158 Trusted Data Matrix. She is the vice chair of SAC/TC 159/WG 19 Digital transformation.

Statement

Standardization is an art of making consensus. My education and working experiences have filled me with professional standardization strategies on achieving such goals with different stakeholders. Firstly, I come from the country with the largest number of corporate members of IEEE SA, giving me the natural sense to understand them and strengthen the impact of IEEE SA. Secondly, my education background in the birthplace of IEEE SA helps me cooperate with the largest number of individual members of IEEE SA. Together, I could build bridges between the two forces. Thirdly, I have also learnt how to built multi-lateral collaborations with experts from different background. Fourthly, my leadership and working experiences in both industry and academy research motivate me to integrate IEEE SA and technical

societies more closely if I am elected. I am willing to serve in BoG with these experiences and grow with IEEE SA in the future.

IEEE Accomplishments and Activities

(M'19-M'21)

- Member, IEEE SASB (IEEE SA Standards Board)
 - Actively promoted the IEEE SA works in IEEE Region 10 (Asia and Pacific)
 - Encouraged and coordinated the development of IEEE standards
- Member and Vice Chair, IEEE SA NesCom (New Standards Committee)
 - Reviewed approximately 800 PARs (Project Authorization Requests) in the past three years
- Member, IEEE SA ProCom (Procedures Committee)
- Member, IEEE Charles Proteus Steinmetz Award Committee
- Member, IEEE Hans Karlsson Award Committee
- Chair, IEEE/C/Smart Manufacturing Standards Committee
 - Leading 13 working groups and 14 standard projects in the standards committee, including mass customization, online detection, digital representation, smart factory, smart logistics, standard-oriented knowledge graphs, etc.
 - Leading 135 committee members from China, US, Germany, Japan, India and Singapore
 - Sponsoring of Industry Connections (IC) – Roadmap for the development and implementation of standard-oriented knowledge graphs
- Chair, IEEE P 2672 Mass Customization Working Group
 - Organized 20 meetings to develop the Guide for General Requirements of Mass Customization
- Chair, IEEE P 3144 Digital Twin Working Group
 - Working on the maturity model and assessment methodology of Digital Twin in industry
- Chair, IEEE P 3158 Trusted Data Matrix Working Group
 - Working on the system architecture of trusted data matrix, which is the driving force of trusted data sharing and trading
- Former Chair, IEEE P 2806 Digital Representation Working Group
 - Organized 8 meetings to define the system architecture of digital representation for physical objects in factory environments
- Former Chair, IEEE P 2807 Knowledge Graph Working Group
 - Leading 7 sub-working groups, including finance, power, scientific and standards. At present, more than 60 corporate members participate the working group

For IEEE Standards Association Board of Governors Member-at-Large, 2023-2024



DOROTHY V. STANLEY

(Nominated by IEEE Standards Association)

HPE Fellow

Hewlett Packard Enterprise

Warrenville, Illinois, USA

<https://www.linkedin.com/in/dorothy-stanley-1ab2102/>

Dorothy Stanley currently serves as Chair of the IEEE 802.11 Working Group. She has been involved in wireless LAN product strategy and standards activities at since 2005, leading and participating in IEEE 802.11, Wi-Fi Alliance, Wireless Broadband Alliance, and Internet Engineering Task Force (IETF) standards developments. She has also served as liaison from IEEE 802.11 to the IETF and currently co-chairs the IAB-IEEE 802 Coordination committee. Her work in standards development and industry interoperability programs has supported Wi-Fi industry innovation to enable solutions that provide significant consumer and economic value in the global marketplace.

Prior to joining Aruba Networks in 2005, Dorothy was a Consulting Member of the Technical Staff at Agere Systems for Wavelan products and a Distinguished Member of the Technical Staff at Lucent Technologies and AT&T Bell Laboratories.

Among Dorothy's awards are 5 patents, a Wi-Fi Alliance Members Achievement Award, and numerous IEEE Standards Association awards.

Statement

The IEEE Standards Association has a unique role in global standards development, enabling individuals and entities with common technical interests to define standards in well-developed and emerging technology areas.

I believe that the Board of Governors must continue to raise the visibility of IEEE SA as a world class venue for standards development, promote IEEE-SA activities and provide opportunities to engage individuals, government bodies, and industry organizations. The Board must identify and respond to the emerging needs as it has with development of the open source and industry alliance initiatives. These actions will provide a broader set of IEEE SA solutions to meet the market, consumer, and societal needs for standards, consensus building, and the use of technology.

I bring to the Board of Governors experience in the day-to-day realities of development of a large and consequential IEEE standard, understanding the challenges of reaching consensus, and adjusting to the pandemic challenges.

IEEE Accomplishments and Activities

(M'82-SM'19-LS'22)

IEEE Standards Association Boards and Committees:

I have been an active participant in both IEEE Standards development and governance roles:

- Chair IEEE 802.11 Working Group 2018-2022
- Vice Chair IEEE 802.11 Working Group 2014-2018
- Chair IEEE 802.11 TGmb, TGmc, TGmd Task Groups (responsible for development of IEEE Std 802.11-2012, IEEE Std 802.11-2016 and IEEE Std 802.11-2020)
- Member IEEE Standards Association Standards Board 2018-2022
- Chair IEEE Standards Association Standards Board New Standards Committee 2019-2022
- Member IEEE Standards Association Standards Board New Standards Committee 2016
- Member IEEE Standards Association Standards Board Audit Committee 2018
- Member IEEE Standards Association Standards Board New Procedures Committee 2019-2022
- Member IEEE Standards Association Standards Board Patent Committee 2018
- Standards Association Representative to IEEE Women in Engineering 2017

In 2017, the IEEE 802.11 Working Group received the IEEE SA Award for Emerging Technology for the IEEE 802.11ad-2012 standard, Enhancements for Very High Throughput in the 60 GHz Band standard, and the first IEEE standard for wireless LAN millimeter wave technology.

IEEE Society Memberships:

- IEEE Communications Society
- IEEE Women in Engineering
- Computer Society

For IEEE Technical Activities Vice President-Elect, 2023
IEEE Technical Activities Vice President, 2024



MANFRED "FRED" J. SCHINDLER
(Nominated by IEEE Technical Activities)

Consultant
Newtonville, Massachusetts, USA
fredschindler.com

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



SCAN ME

Fred Schindler has focused on the development of microwave semiconductor circuits and technology, and managing engineering organizations, in a career spanning the nascent development of GaAs MMIC technology through the production of high-volume commercial products. He currently works as an independent consultant, supporting clients with technical expertise, due diligence, and project management. He also serves as Chief Technology Officer for Anlotek Ltd, an innovative RF technology company. He previously served as Director of RFMD/Qorvo's Boston Design Center, Applications Manager for IBM Microelectronics Wireless Products, Engineering Manager at ATN Microwave, and Microwave Circuits Research Lab Manager at Raytheon. He earned the MSECE at UMass Amherst in 1982 as a Raytheon Microwave Scholar and the BSEE from the Columbia University SEAS in New York. He holds 11 patents and has published over 40 technical articles. He has contributed a column on Microwave Business to IEEE Microwave Magazine since 2011.

Statement

TAB is comprised of 46 Societies and Councils, each with its own traditions and practices. These are our communities. The challenge for TAB is to support the independent spirit of our Societies and Councils, while enabling the benefits of collaboration and cooperation. We already leverage the strength of working together in areas such as our Resource Centers, DataPort, CodeOcean, TechRxiv, and the *Xplore* platform. We collaborate via co-sponsored journals and conferences. We've also seen the benefits of working together informally. The pandemic forced all of us to pivot to virtual conferences. This gave us an opportunity to learn from each other, to share what worked well and what didn't; to leverage our joint strength. All our Societies and Councils will face challenges going forward, some common and some unique. The growth of Open Access publishing, and resulting reductions in revenues, will impact us all. We may run 46 different experiments trying to best serve our communities - we can learn and adopt those which work best. Perhaps most importantly, we need to continue to develop synergies to improve our engagement with established communities, growing communities, as well as those that are yet to come.

IEEE Accomplishments and Activities

(S'78-M'79-S'80-M'82-SM'92-F'20)

IEEE Accomplishments:

Board of Directors

- Division IV Director (2021-2022)
- Member: Governance Committee (2022), EBCC (2022), Future of Engagement adhoc (2022), Constitution adhoc (2021), Election Practices adhoc (2021), Conference Financial Management adhoc, (2017-2019), Future of Information and Convening adhoc (2015), History Committee Coordinator (2021)

TAB

- Member (2003, 2015-2018, 2021-2022). Also Chair: Society/Council Life-Cycle adhoc (2021-2022), Sections Congress adhoc (2020); Co-Chair MGA/TAB Marketing Automation adhoc (2015); Member: FinCom (2015-2018), Financial Health adhoc (2018-2019), Sections Congress adhoc (2017), Hall of Honor Committee (2018-2020), Strategic Planning Committee (2019), Contract Process adhoc (2018), TAB/PSPB Strategic adhoc (2019-2020)

Conferences

- IEEE Conferences Committee Chair (2015-2018), Member (2013-2014, 2019-2022). Also Chair: Nominations, Appointments and Recommendations (2019-2022), Conference Quality (2017), Conference Applications Review (2018-2019), Conference Portfolio Review (2018-2020), Conference Organization Integrity adhoc (2019), Event Innovations (2019). Member: Technical Program Integrity (2014-2019).
- International Microwave Symposium, General Chair (2009). Also Chair: Organizational Model Task Force (2021-2022), ExCom (2011-2012, 2014-2015), Exhibition Management (2007-2008), PCO Search (2010-2011), Technical Program (2000), Protocol (2012); TPC Member (1995-2003, 2012-2014, 2016-2020, 2022), Advisor (2012-2016, 2019, 2023).
- Radio and Wireless Symposium, Founding Chair (2006), ExCom Chair, (2005-2007, 2010-2015), PAWR TP Chair (2014-2016)

Publications

- PSPB Member (2015-2018, 2020). Also Member: Publication Conduct Committee (2021-2022), SPC (2020-2021), Peer Review adhoc (2020-2021), OA Strategy adhoc (2022)
- *IEEE Transactions on Microwave Theory and Techniques*, Editorial Board (1994-2000)
- *IEEE Microwave and Wireless Component Letters*, Editorial Board (2000-2008)
- *IEEE Microwave Magazine*, Business Issues Editor (2010-2022)

Products and Services Committee

- Member (2020-2022)
- Conference Publications Committee Chair (2021-2022)

Society/Council

- MTT-S: President (2003), led turnaround through a time of financially stress. VP 2002, Secretary 1993, AdCom Elected Member, 1994-2002, Chair: Membership Services, (2000-2001), Meetings and Symposia, (1996-1997), Operations (1999), Budget (2002), Long Range Planning (2005), MTT-19 TC (2010-2015), Electronic Information (1994-1996), Marketing-Publicity (1995-1998), MMIC Historical Exhibit (1993-1998), Honorary Life Member (2022)
- CRFID Advisory Committee Member (2018-2022)

For IEEE Technical Activities Vice President-Elect, 2023
IEEE Technical Activities Vice President, 2024



RAKESH KUMAR
(Nominated by IEEE Technical Activities)

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



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

Rakesh has a distinguished semiconductor industry career, is an entrepreneur, and an educator. He is the founder of two start-ups and has made many technical and leadership contributions at Cadence, Unisys, and Motorola. He has 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. He 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 contribution include Chair of the President's Data AdHoc & Roadmaps Committees, Co-Chair of DataPort, Past-President of SSCS, 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 (1974, 1971), BTech. from IIT-Delhi (1969), and Executive "MBA" from UCSD (1989.)

Statement

IEEE/TA has an excellent reputation and brand for being the premier research publication/conference venue. Society/Council's focus have been focused in individual FOI's. Our revenues and membership trends have been under pressure and have prompted numerous initiatives with limited success. By focusing on understanding and meeting Customer needs in this industry environment of accelerated Product Development cycles, I believe there are many opportunities for IEEE to grow our revenue and expand our reach to a broader community. A focus on innovative cross-functional solutions that enable customers to introduce products more rapidly and solve climate problems by connecting overall megatrends to customer needs is a must. Using creative business and operating models we can offer novel solutions that leverage our Data, Roadmaps, Digital Transformation, and other new technologies. With my broad Technical, business, entrepreneurial and academic experience I can bring together TA to enhance our offerings. My key priorities:

1. Better understand Customer needs, including Practitioners and millennials
2. Promote cross-functional cooperation to create multidisciplinary solutions to meet customer needs
3. Promote and drive enhancement of existing, and the creation of new Products,

Events and Services to attract new members globally and improve our diversity, e.g., DataPort, IEEE app, Roadmaps, ILN, etc.

IEEE Accomplishments and Activities

(S'70-M'74-SM'91-F'08-LF'13)

Dr. Kumar has served in a wide range of leadership roles. His efforts have led to enhancements within TA, has increased globalization and increased cooperation across various OU's. 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:

- Chair of IEEE Data-based Business Strategy AdHoc committee
- Chair of IEEE Technology Roadmaps Committee
- Co-Chair of DataPort
- Strategy Adviser and Magazine Board Chair, SSCS
- 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

Society Leadership (SSCS)

- 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 outreach for global presence
 - Facilitated formation of 12 new Chapters (15% growth in 2 years)
 - Led programs that transformed declining Society membership trend to positive annual growth (~2.5%) in 2 years
 - Promoted volunteer recognition - Fellow nominations increased by 80%
 - Enhanced educational activities - > 15 tutorials/short courses available online, 7 Distinguished Lecture "Tours" in Regions 8-10 (participated in 3)
 - Launched successful SSCS Webinar program
 - Distinguished Lectures on behalf of SSCS and EDS
 - 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)

For IEEE-USA President-Elect, 2023 IEEE-USA President, 2024



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

Senior Engineer
US Army Information Systems Engineering Command
Fort Huachuca, Arizona, USA
<https://keithmoorecandidateforieeusapresident.wordpress.com/keith-moore/>



SCAN ME

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

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

Statement

IEEE-USA was established in 1973 as a unit within IEEE to promote careers and the profession of IEEE members working and living within the United States. Together, we can make positive change through several IEEE-USA programs. These programs serve and benefit the members, the profession, and the public in areas of economic, ethical, legislative, social, and technology policy concern. IEEE-USA is currently experiencing a decline in funding due to membership decline in US members. Overcoming this will require new ideas and funding models that must be negotiated with other IEEE units. I have an excellent working relationship with many diverse IEEE leaders that will enhance our ability to make the case for IEEE-USA and its continuing mission. I have served on IEEE-USA Ad Hoc Strategic Committees to find solutions to these and other issues and will continue to volunteer my time for these efforts. To forge a path for the future, we must employ our knowledge on professional issues and public policy initiatives. Let's work together to provide for future leader development, prepare members to engage in the advancement of technology, encourage and enable the next generation, and support engineers and technologists to create and build the future!

IEEE Accomplishments and Activities

(M'02-SM'06)

IEEE ACTIVITIES:

IEEE Committees/Board: 2021-2022 IEEE Member Geographic Activities (MGA) Liaison to the Standards Association; 2019-2020 IEEE Board of Directors; 2019-2020 IEEE-USA Board; 2019-2020 IEEE Member Geographic Activities (MGA) Board; 2012-2013 IEEE-USA Professional Activities Committees for Engineers (PACE) Board Region 6 Representative; 2010 Humanitarian Technology Challenge (HTC).

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

Sections/Chapters/Affinity Groups: 2003, 2008 Fort Huachuca Section Chair; 2002 Fort Huachuca Section Vice Chair; 2001 Fort Huachuca Section Treasurer; 2000 Fort Huachuca Section Secretary; Fort Huachuca WIE Founding Chair; 2012-2014 Arizona Reliability Society Chapter Chair.

IEEE-HKN/HKN: Professional Member.

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

MAJOR ACCOMPLISHMENTS:

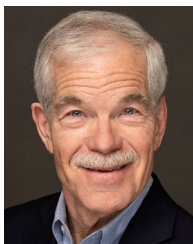
Conferences: Established the IEEE Global Humanitarian Technology Conference's (GHTC) technical program as the first Technical Program Chair and continued to lead the conference as Vice Chair and Chair.

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

Professional Activities: Introduced expedited PACE Project approvals and tracking for more efficient and expedient project funding.

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

For IEEE-USA President-Elect, 2023 IEEE-USA President, 2024



JAMES R. LOOK, PE
(Nominated by IEEE-USA)

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



SCAN ME

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

Jim Look has made IEEE and IEEE-USA the major focus of his recent volunteer activities. After completing a 28-year career in the international oil and gas industry, Jim's time and effort have been dedicated to other non-profit organizations including Habitat for Humanity, the Colorado Engineering Council and the City of Boulder (advisory committees). Most of his engineering career was spent with Saudi Aramco, a large international oil company. Over that period, he served in a wide range of technical and management positions. These assignments ranged from a refinery engineer to project manager, to the leadership of a 140-person multidisciplinary engineering group, and finally, advisor to corporate management. As a past-Director he continues to be actively engaged with both IEEE and IEEE-USA as a member of Ad Hoc committees to support improvements in IEEE governance policy and financial vitality.

Statement

My primary objective is effectively using the resources of IEEE-USA to deliver member benefits, not provided by other IEEE organizations. It is also important that IEEE members in the USA continue to have a voice in Washington, D.C. As President of IEEE-USA, my goal will be to structure programs which continue to address the membership and financial challenges consistent with the unique role of IEEE-USA.

These challenges are largely due to changing member demographics, complicated by the fact that our programs are not as focused and effective as they could be. Programs should adapt and refocus over time to meet the changing requirements of our members.

IEEE-USA is uniquely situated to provide opportunities for our members by routinely interacting with Federal government policy makers to shape workforce and technology policy. Enhancing professional growth and career development are also important aspects of the IEEE-USA member support package. This includes working with MGA to support students and designing programs to reinforce engagement with Life Members.

The challenges currently facing IEEE-USA are real. I have realistic, actionable proposals to make IEEE-USA a stronger, more focused organization while preserving the member's voice in Washington, D.C.

IEEE Accomplishments and Activities

(S'70-M'72-SM'05-LS'16)

IEEE ACTIVITIES (only major listed)

IEEE COMMITTEES and BOARDS:

- IEEE and IEEE-USA Boards of Directors (2020-2021)
- IEEE Audit Committee (Member 2020-2021)
- IEEE Ad Hoc Committee on New Membership Models (Member, 2019)
- 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 MGA Committee on Regional Realignment (Member, 2021)
- IEEE-USA Committee on Financial Restructuring (Member, 2021-2022)
- IEEE-USA Professional Activities (Vice President, 2007-2009)
- MGA Member Benefits Portfolio Advisory Committee (Chair, 2014-2016)
- IEEE-USA Energy Policy Committee (Corresponding Member, 2007-present)

REGION and SECTION:

- Region 5 Director (2020-2021)
- Area Chair (2010-2017)
- Region 5 PACE Coordinator (2008-2009)
- Denver Section (Chair, 2009)

AWARDS:

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

ACCOMPLISHMENTS

In addition to the regular duties of Regional Director, I served on IEEE Board level Ad Hoc committees and several special study committees. In 2021, I was appointed to be the Chair of the Ad Hoc Committee on Strengthening the IEEE Constitution. This committee generated proposals which improved the governance at the IEEE policy and bylaw level. In addition, this Ad Hoc committee proposed a modification to the IEEE Constitution to bring it up to date with current governance policies.

For IEEE-USA, I worked on committees which are addressing the issues of Regional realignment and the long-term financial viability of IEEE-USA.

As Director of Region 5, I guided the activities of the Region during the difficult COVID shut down period, beginning in February 2020.

In 2020 I served on the IEEE Board Ad Hoc committee which looked at 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).

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in the IEEE Annual Election.

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