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A large, stylized graphic of the word "JANUARY" in white, bold, sans-serif capital letters. The text is set against a background of numerous blue snowflakes of various sizes and designs, scattered across the page. The snowflakes are rendered in shades of light blue and dark blue, creating a festive winter theme.

IEEE REGION 2

 <https://r2.ieee.org/>

 dlowery@ieee.org

 4 Areas, 20 Sections, 2 Sub-Sections

INNOVATIVE & COLLABORATIVE

A hub of innovation and collaboration, where technology leaders and enthusiasts come together to shape the future.

IEEE FEBRUARY CALENDAR

February

2015/02

Week	I	II	III	IV	V	VI	VII
5							1
6	2	3	4	5	6	7	8
7	9	10	11	12	13	14	15
8	16	17	18	19	20	21	22
9	23	24	25	26	27	28	

- WEBINARS
- CONFERENCE
- DEADLINE
- WORKSHOP

LIVESTREAM

IEEE-USA Washington Update

Thursday, January 16, 2025 at 1:00PM ET

2025 7th IEEE 5G Workshop
on First Responder and
Tactical Networks

18 February 2025
8:30 AM – 5:00 PM EST



IEEE FEBRUARY EVENTS

WEBINARS

5 Feb 2:00 pm - 3:00 pm

Patents, Trademarks and Copyrights: Essential Strategies for Entrepreneurs and Businesses to Safeguard Innovations, Designs, and Brands

Register: <https://events.vtools.ieee.org/m/4618934>

12 Feb 2:00 pm - 3:00 pm

AI Unpacked: What Leaders Need to Know to Stay Ahead

Register: <https://events.vtools.ieee.org/m/462467>

13 Feb 1:00 pm - 2:00 pm

IEEE-USA Washington Update

Registration not needed!

Learn more: <https://ieeusa.org/events/washington-update-2022-03-03-2022-06-23-2-2-3-2/2025-02-13/>

20 Feb 12 pm

Goal-Oriented Generative Semantic Communications with Multimodal LLMs

Register: <https://bit.ly/FN-AIML-20Feb2025>

VIRTUAL CONFERENCE

19 Feb - 21 Feb

IEEE-HKN Pathways to Industry 2025

Register: <https://pathways.hkn.events/>

DEADLINE

1 Feb Deadline to Apply!

Washington Internships for Students of Engineering Summer 2025 Program

Apply: <https://wise-intern.org/>

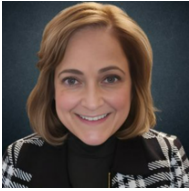
WORKSHOP

18 Feb 8:30 am - 5:00 pm

2025 7th IEEE 5G Workshop on First Responder and Tactical Networks

Register: <https://futurenetworks.ieee.org/conferences/2025-first-responder-and-tactical-networks-workshop>

WELCOME THE REGION-2 2025 COMMITTEE



Felicia Reinhart - Region 2 Director

Neeta Basantkumar - Region 2 Secretary

Rhonda Farrell - Membership Development

Jenna Price - Assistant Secretary

Kalyan Sen - Chair Professional Activities Committee

Ralph Sprang - Awards and Recognition Chair

Mike Olex - Chesapeake Area Chair

Helen Winfrey - Buckeye (west) Area Chair

Chang Liu - Humanitarian Activities Chair

Ethan Lin - Chair PVS and Conference Coordinator

Megan Cruz - Social Media and Newsletter Coordinator

Barb Frantom - Region 2 Treasurer & WIE Co-Coordinator & SAC

Li Bai - RSAC

Maryam Alibeik - WIE Coordinator



NEW YEAR NEW PLAN

IEEE STRATEGIC PLAN 2025

OUR MISSION

We foster technological innovation and excellence for the benefit of humanity.

OUR VISION

We will be essential to the global technical community and to technical professionals everywhere, and be universally recognized for the contributions of technology and of technical professionals in improving global conditions.

CORE VALUES



Growth & Nurturing



Trust



Partnership



Integrity in Action



Global Community Building



Service to Humanity

OUR GOALS

Advance science and technology as a leading trusted source of information for research, development, standards, and public policy

Inspire intellectual curiosity and support discovery and invention to engage the next generation of technology innovators

Drive technological innovation while promoting scientific integrity and the ethical development and use of technology

Expand public awareness of the significant role that engineering, science, and technology play across the globe

Provide opportunities for technology-related interdisciplinary collaboration, research, and knowledge sharing across industry, academia, and government

Empower technology professionals in their careers through ongoing education, mentoring, networking, and lifelong **engagement**

Our mission is to foster technological innovation and excellence for the benefit of humanity. We envision being essential to the global technical community and recognized for the contributions of technology and technical professionals in improving global conditions. Guided by core values such as growth, trust, partnership, integrity, and service to humanity, we aim to advance science and technology, inspire the next generation of innovators, and drive ethical technological development.

We are committed to expanding public awareness of technology's global impact, fostering interdisciplinary collaboration, and empowering professionals through education, mentoring, and networking. By creating an inclusive, bias-free environment, we strive to sustain our strength and vitality for future generations, ensuring we continue to advance technology for the betterment of humanity.



SPOTLIGHT ON NEW TECHNOLOGY

QUANTUM LEAP: THE FUTURE OF QUANTUM COMPUTING

IBM's latest quantum processor, the 127-qubit 'Eagle,' has set a new benchmark by achieving quantum supremacy with its ability to perform computations that are impractical for even the most powerful supercomputers. This processor can manage over $1.7014118e+38$ different quantum states simultaneously, a feat that underscores a monumental step toward solving complex problems ranging from drug discovery to optimizing large systems, with a speed exponentially faster than traditional computing.



THE ROAD TO 6G - BAND NOW OPEN TO THE PUBLIC!

6G technology promises to redefine mobile communications with advancements in speed, capacity, and latency, offering transformative possibilities for digital connectivity. In a significant development, the FCC has recently opened the 6 GHz band to public use, a move designed to fast-track the development and deployment of 6G technologies. This regulatory milestone will facilitate more robust and efficient wireless services, supporting innovations like real-time sensor networks, AI-driven decision making, and immersive virtual reality experiences.



DEEPSEEK, THE CHATPT RIVAL

DeepSeek is emerging as a strong competitor to ChatGPT, challenging U.S. dominance in machine learning and AI. This rivalry reflects broader tensions between the IEEE United States and IEEE China communities, as both regions vie for leadership in technological innovation.

DeepSeek's rise highlights the need for IEEE to foster global collaboration, ethical innovation, and inclusivity, ensuring that advancements benefit humanity rather than deepening divisions. As AI competition intensifies, IEEE's role in uniting the global technical community becomes increasingly vital.



AWARDS AND RECOGNITION

Awards and recognition play a crucial role in fueling motivation, inspiring excellence, and opening doors to new possibilities. They not only honor past achievements but also encourage ongoing innovation and dedication. Let's celebrate these milestones as essential stepping stones towards personal growth and professional development, paving the way for future successes and breakthroughs.



2025 IEEE MEDAL AND RECOGNITION HONOREES

Announcing the 2025 IEEE Medal and Recognition recipients!

The IEEE award winners include Regina Barzilay, Richard D. Gitlin, Seizo Onoe, Andrea Goldsmith, Daniela Rus, Issa Batarseh, Mung Chiang, Frans M. J. Willems, James J. Collins, Frederick A. Kish, Jr., Richard C. Baraniuk, Robert W. Heath, Jr., Jan M. Rabaey, Robert W. Dutton, Kinam Kim, Kamal Sarabandi, Johann W. Kolar, Bill Ochs, Mike Menzel, Scott Willoughby, and Miklós Ajtai. These individuals have made significant contributions to fields ranging from machine learning and robotics to synthetic biology and power engineering.

IEEE MEDAL OF HONOR PRIZE IS INCREASED TO \$2 MILLION

In recognition of some of the greatest minds of our time, this award is given for work that benefits humanity. IEEE is elevating the IEEE Medal of Honor to its rightful place as one of the world's most prestigious technology-focused prizes and awards. Effective in 2025, IEEE is increasing the IEEE Medal of Honor monetary prize to \$2 Million because we are at an inflection point globally – where technology, engineering, and science have become integral to addressing global challenges such as climate change and positively moving our world forward.

PRESS CONFERENCE TO ANNOUNCE 2025 MEDAL OF HONOR LAUREATE

For the first time, the IEEE Medal of Honor Laureate will be announced at a dedicated press conference in New York City on 20 February 2025 at 11:00 AM ET/4:00 PM UTC.

IEEE-USA



CONGRESSIONAL VISITS DAY 2025

8-9 April 2025 | Washington, D.C.: IEEE-USA Congressional Visits Day (CVD) is an annual event that brings engineers, scientists, mathematicians, researchers, educators, and technology executives to Washington to raise visibility of and support for engineering and technology. Register now! <https://ieeeyusa.org/public-policy/cvd/registration/>

BOOK YOUR GETAWAY ON THE IEEE-USA CARIBBEAN CRUISE! 27 OCT - 1 NOV 2025

27 Oct - 1 Nov 2025: Escape the ordinary and set sail on an extraordinary adventure with IEEE-USA! Explore the vibrant culture and stunning beauty of Costa Maya and Cozumel aboard Royal Caribbean's luxurious Mariner of the Seas. Don't miss this chance to connect with fellow IEEE members while creating unforgettable memories – book your spot now for the IEEE-USA Western Caribbean Cruise!

NEW E-BOOK OFFERED IN JANUARY TO IEEE MEMBERS

IEEE-USA introduces new, free resources for January, accessible to all IEEE members.

Highlighted offerings include the e-book "Breaking the Cycle of an Unfulfilled Career II – Continuing the Quest for Success" and the audiobook "Career Transitioning 101: Book 2, When Opportunity Knocks." These tools are tailored to help professionals enhance job satisfaction and capitalize on emerging career opportunities, illustrating IEEE-USA's commitment to the professional development of its members.

Members are encouraged to utilize these publications both personally and professionally, and share them within their networks. All resources, including these latest releases, are available for free download at the IEEE-USA's website, reinforcing the organization's ongoing commitment to providing valuable educational content and supporting continuous learning and career advancement at no extra cost.



FOCUS ON ENGAGEMENT & COLLABORATION

Region 1 and Region 2 are thrilled to embody the spirit of collaboration with our "**Better Together**" slogan. This multi-year initiative marks a significant step towards harnessing the collective strengths, resources, and expertise of our members across both regions. By fostering a culture of unity and cooperation, we're not only amplifying our impact on technological innovation but also creating a more inclusive and supportive community.



Through joint events, shared initiatives, and collaborative projects, we're demonstrating that by working together, we can achieve greater advancements, tackle more significant challenges, and inspire a wider audience. Join us as we celebrate the power of partnership and pave the way for a future where we are indeed, better together.



Bridging Divides: IEEE's Vision of Global Collaboration Beyond Regions

The call for collaboration across all IEEE regions is driven by a recognition of the diverse challenges and opportunities that exist within the global engineering community. By embracing a holistic approach to collaboration, IEEE can harness a wider array of ideas, solutions, and innovations. This includes sharing best practices, co-developing initiatives to increase membership value, and jointly tackling global challenges such as sustainability, accessibility, and digital inclusion.

Cross-regional collaboration opens doors to a wealth of possibilities, from joint conferences and workshops that pool intellectual capital to collaborative research projects that push the boundaries of technology. Moreover, it fosters a sense of global community and mutual support among IEEE members, enhancing the sense of belonging and commitment to the organization's mission.

The journey towards comprehensive cross-regional collaboration within IEEE is an ongoing process. It requires continuous effort, open communication, and a commitment to overcoming logistical and cultural barriers. However, the potential rewards are immense, promising a richer, more inclusive, and more innovative future for the IEEE community and the wider world it serves.

OUR IEEE REGION 2 TEAM IS OUTSTANDING - GET INVOLVED!



EMPOWER, CONNECT, INNOVATE: VOLUNTEER WITH IEEE REGION 2 AND SHAPE THE FUTURE OF TECHNOLOGY

Volunteering with IEEE Region 2 is a rewarding experience, offering the opportunity to contribute to the technological community, gain leadership skills, network with professionals, and play a pivotal role in advancing technological innovation and education. Committee information [here](#). Contact **Dr. Drew Lowery** today at dlowery@ieee.org to learn more.

LEADERSHIP COMMUNITY SERVICE GROWTH OPPORTUNITY

IEEE CORE VALUES

**TRUST GLOBAL COMMUNITY BUILDING PARTNERSHIP SERVICE
TO HUMANITY INTEGRITY IN ACTION GROWTH & NUTURING**



AFFINITY GROUPS



Life Members Affinity Group

COLLABORATE, ENGAGE, AND FOLLOW US IN 2024

COMMUNITIES



IEEE MEETINGS,
CONFERENCES
& EVENTS



STUDENTS & ENTREPRENEURS



EMPOWER, ENGAGE, ENERGIZE: BE THE SPARK IN IEEE REGION 2'S VITALITY



DRIVE POSITIVE CHANGE WITH IEEE REGION 2

We're reaching out with an exciting opportunity to enhance the energy and effectiveness of IEEE Region 2. The Vitality Committee is calling for passionate individuals to join us in steering our region toward an even brighter and more dynamic future. If you're looking for a way to make a significant impact within the IEEE community, this is your chance!

As a member of the Region 2 Vitality Committee, you will play a critical role in developing strategies that enhance member engagement, organize stimulating events, and cultivate a culture of innovation and collaboration. Your unique skills and fresh perspectives are invaluable as we work together to foster growth, support professional development, and expand the horizons of what we can achieve as a collective.

We're looking for members who are eager to:

- Brainstorm and implement creative approaches to increase membership vitality.
- Organize and support regional events that offer networking and professional development opportunities.
- Collaborate with a diverse team to build a robust and active IEEE community.
- Serve as ambassadors of IEEE Region 2, promoting its mission and values within and beyond the engineering community.

Please contact us to express your interest or to learn more about the committee and its initiatives.

 Email Megan Cruz @ megan.cruz@ieee.org



ADVANCING TECHNOLOGY
FOR HUMANITY