IEEE >>>
The Force Behind Innovation
Inventive minds utilize IEEE intellectual resources to improve what matters most in our lives.
IEEE is where forward-thinking technology professionals come together—in the spirit of collaboration—to discover the next technological innovation, develop international standards, and form communities to share research, education, and humanitarian goals.

• **Our Mission**
The core purpose of IEEE is to foster technological innovation and excellence for the benefit of humanity.

• **Our Vision**
IEEE 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.
The Founding of IEEE

1884  AIEE  1912  IRE  1963  IEEE

AIEE  American Institute of Electrical Engineers
IRE  Institute of Radio Engineers

TODAY

IEEE embodies the visions of its founders—applying them to the challenges of today and tomorrow.

Learn more: ieee.org/about/ieee-history.html
The History of IEEE

Our story begins with the spirit of collaboration to light up and connect the world...and continues today, as we find innovative solutions to global challenges.

Learn more: ieee.org/about/ieee-history.html
The IEEE Promise

The IEEE brand is an authentic reflection of our unflagging dedication to:

- Maintain our leadership as a trusted source of advancements and applications of technology
- Create standards, innovative research venues, and a global technology forum
- Provide opportunities to conquer technical challenges with imagination
- Enable today’s innovators to improve tomorrow’s quality of life

IEEE IS RECOGNIZED AS:
- A leader in the influence of the global technology community
- A resource to the technology industry within various disciplines for the engineering community
- A supporter of innovation with new technology standards and publications that empower tomorrow’s advancements

Learn more: brand-experience.ieee.org/ieee-brand/brand-overview/
IEEE Today at a Glance

Global Reach

400,000+ Members
60% of whom are from outside the US

39 Technical Societies and seven Technical Councils

160+ Countries across 10 geographic Regions

Technical Breadth

1,600+ Annual Conferences
in 96 countries while contributing over 3.6 million total conference papers to IEEE Xplore® since 1936

5,000,000+ Technical Documents
via IEEE Xplore digital library, with more than 15 million downloads each month

200+ Top-cited Periodicals
IEEE journals, conference proceedings, and select content dating back to 1884

1,200+ Active Standards
and 900+ more in development

Learn more: ieee.org/about/at-a-glance.html
Technical Expertise that is Broad and Deep

IEEE provides thought leadership and resources for the global tech community.

<table>
<thead>
<tr>
<th>Aerospace &amp; Defense</th>
<th>Electronics</th>
<th>Power and Energy</th>
</tr>
</thead>
<tbody>
<tr>
<td>Biomedical Engineering</td>
<td>Environment</td>
<td>Robotics and AI</td>
</tr>
<tr>
<td>Broadcasting</td>
<td>Industrial systems</td>
<td>Semiconductors</td>
</tr>
<tr>
<td>Circuits</td>
<td>Information Technology</td>
<td>Smart Cities</td>
</tr>
<tr>
<td>Communications</td>
<td>Internet of Things</td>
<td>Smart Grid</td>
</tr>
<tr>
<td>Computer Science</td>
<td>Life Sciences</td>
<td>Sustainable Energy</td>
</tr>
<tr>
<td>Control and Automation</td>
<td>Nanotechnology</td>
<td>Transportation and Vehicles</td>
</tr>
<tr>
<td>Cyber Security</td>
<td>Optics</td>
<td>And more…</td>
</tr>
</tbody>
</table>
# Top Organizations Innovate with IEEE

*Whenever technology happens, IEEE is there.*

<table>
<thead>
<tr>
<th>Category</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>All Top 5 Communications Equipment Companies Worldwide</td>
<td>15 of Top 20</td>
</tr>
<tr>
<td>8 of Top 10 Telecommunication Companies Worldwide</td>
<td>7 of Top 10</td>
</tr>
<tr>
<td>9 of Top 10 Computer Hardware Companies Worldwide</td>
<td>99 of Top 100</td>
</tr>
<tr>
<td>27 of Top 30 Semiconductor Companies Worldwide</td>
<td>All Top 100</td>
</tr>
<tr>
<td>15 of Top 20 Aerospace and Defense Companies Worldwide</td>
<td>Engineering and Technology Universities Worldwide</td>
</tr>
<tr>
<td>7 of Top 10 Automobile Manufacturers Worldwide</td>
<td>Engineering Universities in the United States</td>
</tr>
<tr>
<td>99 of Top 100 Engineering and Technology Universities Worldwide</td>
<td>All Top 100</td>
</tr>
<tr>
<td>All Top 100 Engineering Universities in the United States</td>
<td>27 of Top 30</td>
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<td>All Top 100 Engineering Universities in the United States</td>
<td>27 of Top 30</td>
</tr>
</tbody>
</table>
### The World Benefits from IEEE Information

**Technology leaders rely on IEEE publications and tutorials.**

<table>
<thead>
<tr>
<th>FIVE NEW IN 2020 and 2021</th>
<th>IEEE Journals, Transactions, and Magazines — Top-cited in the fields of electrical engineering and computing, more than 200 publications.</th>
</tr>
</thead>
<tbody>
<tr>
<td>3.6+ MILLION CONFERENCE PAPERS</td>
<td>IEEE Conference Proceedings — Cutting-edge papers presented at IEEE conferences globally.</td>
</tr>
<tr>
<td>SMART GRID, NESC®, 802</td>
<td>IEEE Standards — Quality product and technology standards used by worldwide industries and companies to ensure safety, drive technology, and develop markets.</td>
</tr>
<tr>
<td>MORE COURSES, NEW SERIES</td>
<td>IEEE Educational Courses — Hundreds of course hours in core and emerging technologies.</td>
</tr>
<tr>
<td>5,000+ EBOOKS</td>
<td>eBooks Collections — Eight eBooks collections now available, 5,000+ eBooks covering technology, engineering, computing, and more.</td>
</tr>
</tbody>
</table>
Expanding Global Outreach

New technology connections

IEEE collaborations around the world inspire innovation for those who develop and deliver technology solutions

- New Markets
- Local Programs
- Product Innovation

Global means doing what is needed locally, everywhere.
Benefiting the Global Society
Advancing technology for humanity

INTERNATIONAL COLLABORATION ACROSS THE ETHICS LANDSCAPE:

• IEEE Global Public Policy Committee
• IEEE TechEthics™
• The Global Initiative for Ethical Considerations in the Design of Autonomous Systems
• The Society on Social Implications of Technology (SSIT)

PROGRAM HIGHLIGHT:
Virtual Event Series:
New Technologies, Ethics, and Policy Engagement for Sustainable Development

• Created in collaboration with UN Dept. of Economic & Social Affairs
• Facilitates the sharing of technology solutions to promote substantive discussions among government officials, technologists, legal experts, ethicists, social scientists, and others
• Each event focuses on a theme related to the UN SDGs
• Engaging relevant IEEE collaborators for each event
IEEE exists because of its members, and members excel because of IEEE. We help our members grow and achieve across global boundaries.
IEEE Members

IEEE members have a commitment to continuous improvement.

They are engineering, computing, and technology professionals from around the globe:

• Professional membership is open to individuals who give evidence of competence in an IEEE designated field.

• A Student/Graduate Student member must carry at least 50% of a normal full-time academic program as a registered undergraduate or graduate student.
IEEE Membership By Region

Total Membership
+400,000K
across TEN IEEE Regions
Benefits of Membership

IEEE members stay current in the technology profession, connect with peers, and invest in career advancement.

Access vital technical information and research
Connect to the profession with valuable networking opportunities
Explore education resources and career development tools
Participate in local activities

Receive discounts on IEEE products and other services
Find ways to contribute to the community
Plus, get tailored benefits by joining an IEEE Society.

Learn more: ieee.org/join
## Member Resources: Technical Content

### Access quality information

<table>
<thead>
<tr>
<th>Resource</th>
<th>Description</th>
<th>Additional Information</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>IEEE Xplore®</strong></td>
<td>Explore research from IEEE journals, magazines, and conference proceedings. ($)</td>
<td></td>
</tr>
<tr>
<td><strong>IEEE Learning Network</strong></td>
<td>High-quality, peer-reviewed online courses in relevant topics. ($)</td>
<td></td>
</tr>
<tr>
<td><strong>Conferences</strong></td>
<td>Learn about new topics and trends from leading experts, and network with other professionals. ($)</td>
<td></td>
</tr>
<tr>
<td><strong>IEEE Author Center</strong></td>
<td>Publish your research in a high-quality publication and help advance your scientific field. ($) (+)</td>
<td></td>
</tr>
<tr>
<td><strong>eBook Classics</strong></td>
<td>Get over 350 classic eBook titles from the IEEE Press collection.</td>
<td></td>
</tr>
<tr>
<td><strong>IEEE Standards</strong></td>
<td>Search for published standards and find related products and resources. ($)</td>
<td></td>
</tr>
<tr>
<td><strong>IEEE.tv</strong></td>
<td>View videos and live broadcasts covering IEEE activities from around the globe.</td>
<td></td>
</tr>
<tr>
<td><strong>IEEE Societies and Technical Councils</strong></td>
<td>Join specialized groups matched to your technical interests. ($)</td>
<td></td>
</tr>
<tr>
<td><strong>IEEE DataPort</strong></td>
<td>Access an easily accessible repository of datasets and data analysis tools.</td>
<td></td>
</tr>
<tr>
<td><strong>IEEE Spectrum Magazine</strong></td>
<td>Stay informed about major trends and developments in technology, engineering, and science.</td>
<td></td>
</tr>
<tr>
<td><strong>Proceedings of the IEEE</strong></td>
<td>The leading journal for in-depth tutorials and coverage of technical developments.</td>
<td></td>
</tr>
<tr>
<td><strong>IEEE Potentials Magazine</strong></td>
<td>Explore career strategies and important technical trends geared to young professionals.</td>
<td></td>
</tr>
</tbody>
</table>

$ - Discounted price for IEEE members
+$ - Additional fee

Learn more: [ieee.org/start](http://ieee.org/start)
## Member Resources: Networking

### Explore networking opportunities

<table>
<thead>
<tr>
<th>Conferences</th>
<th>IEEE Collabratec®</th>
<th>Volunteering opportunities</th>
</tr>
</thead>
<tbody>
<tr>
<td>Attend conferences to connect with other like-minded professionals. ($)</td>
<td>Connect and collaborate with other IEEE members in IEEE's online networking platform.</td>
<td>Get involved in IEEE activities at a local and global level and give back to your profession.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Local meetings and events</th>
<th>IEEE Societies and Technical Councils</th>
<th>Women in Engineering (WIE)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Meet and socialize with members and volunteers in your Section.</td>
<td>Join specialized communities matched by your technical interest. ($)</td>
<td>Become a part of the influential IEEE member group promoting women engineers and scientists. (+)</td>
</tr>
</tbody>
</table>

### Young Professionals

- Connect with recent graduates interested in expanding their global network, connecting with peers locally, and giving back to their communities.

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$ - Discounted price for IEEE members
+
- Additional fee

Learn more: [ieee.org/start](https://www.ieee.org/start)
# Member Resources: Education & Career

Expand your learning and find the right career path

<table>
<thead>
<tr>
<th><strong>IEEE Credentialing Program</strong></th>
<th><strong>IEEE Learning Network (ILN)</strong></th>
<th><strong>IEEE Job Site</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Guarantee that your education program offers the relevant content that engineers need to stay ahead in their fields. (+)</td>
<td>ILN provides hundreds of hours of educational content from across IEEE on a variety of topics, all in one place. ($)</td>
<td>Find job postings by more than 4,000 leading corporations and organizations.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>IEEE Mentoring Program</strong></th>
<th><strong>IEEE.tv</strong></th>
<th><strong>Career webinars</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>An online program that facilitates the matching of IEEE members for the purpose of establishing a mentoring partnership.</td>
<td>Access on-demand programs on technical topics including conference coverage and live streaming events.</td>
<td>Choose from more than 180 archived webinars and download supporting slides and documents where available.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>IEEE-USA</strong></th>
<th><strong>IEEE Consultants Network</strong></th>
<th><strong>IEEE Innovation at Work</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>The career and public policy interest group for IEEE members in the USA providing career tools, resources, and government relations programs.</td>
<td>Connect to a global consultant’s network by creating a profile or searching for a consultant. (+)</td>
<td>Access articles and free virtual events on cutting edge technical topics.</td>
</tr>
</tbody>
</table>

$ - Discounted price for IEEE members
+ - Additional fee

Learn more: [ieee.org/start](http://ieee.org/start)
Member Resources: Local Activities

Find local resources and activities

Through your Region and Section
Upon joining, you were assigned to a local IEEE group based on your geographic location. This information can be found in your IEEE Account, in IEEE Collabratec, or on your IEEE membership card.

Access your local volunteers in IEEE Collabratec®
Contact IEEE volunteers in your Section to find out about events near you.

Search for local events
Use the IEEE event finder to discover meetings and events hosted both locally and globally.

Learn more: ieee.org/start
**Member Resources: Discounts**

*Take advantage of exclusive IEEE Member discounts*

<table>
<thead>
<tr>
<th>Conference</th>
<th>IEEE Xplore articles</th>
<th>Wiley Books</th>
<th>IEEE Societies</th>
<th>Insurance</th>
<th>Member Discounts Marketplace</th>
</tr>
</thead>
<tbody>
<tr>
<td>Save up to 50% on conference registration fees ranging from US$300 to US$1,500. ($)</td>
<td>Save nearly 50% off single article purchases from IEEE Xplore, the largest library of electrical engineering, computer science, and electronics literature. ($)</td>
<td>Receive up to 35% off titles from Wiley-IEEE Press, including bioengineering, power and energy, communication technologies, and other growing areas of research. ($)</td>
<td>Enjoy reduced pricing and additional fees when joining technical Societies or special interest groups. ($)</td>
<td>Participate in insurance programs ranging from term life, other life, health plans, professional liability, and auto and home (available in specified geographic areas). ($)</td>
<td>Access a changing variety of time-sensitive, exclusive discounts on products and services. ($)</td>
</tr>
</tbody>
</table>

**IEEE Product Discounts**
Get group pricing on highly-rated products and services to support members at home and in their professional lives. ($)  

**IEEE Learning Network**
Enjoy discounted pricing on a wide range of relevant courses. ($)  

$ - Discounted price for IEEE members

Learn more: [ieee.org/start](http://ieee.org/start)
Member Resources: Contribute to the Community

*Give back to the global or local community:*

<table>
<thead>
<tr>
<th><strong>IEEE Foundation</strong></th>
<th><strong>IEEE Smart Village</strong></th>
<th><strong>IEEE SIGHT</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Support IEEE programs that improve access to technology, enhance technological literacy and technical education, and the benefit IEEE professional community.</td>
<td>Be a part of the initiative that provides access to electricity, creates opportunity, and improves lives in remote communities around the world.</td>
<td>Join the Special Interest Group on Humanitarian Technology (SIGHT) program, where IEEE volunteers around the globe partner with underserved communities to leverage technology for sustainable development.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>EPICS in IEEE</strong></th>
<th><strong>IEEE Eta Kappa Nu</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Help empower students to work with local service organizations and apply technical knowledge to implement solutions for a community’s unique challenges.</td>
<td>The honor society of IEEE, Eta Kappa Nu promotes excellence in the profession and in education with ideals of Scholarship, Character, and Attitude.</td>
</tr>
</tbody>
</table>

Learn more: [ieee.org/start](http://ieee.org/start)
Member Resources: IEEE App

TAP. CONNECT. NETWORK. SHARE.

- Stay up-to-date with the latest news
- Schedule, manage, or join meetups
- Get geo and interest-based recommendations
- Read and download your IEEE magazines
- Create a personalized experience
- Locate IEEE members by location, interests, and affiliations

Learn more: app.ieee.org
Information sharing is a cornerstone of productive collaboration. IEEE believes that even small ideas can develop into towering solutions.
Interaction is Key at IEEE

342 Sections in TEN geographic Regions worldwide

Self-organizing communities: cross- and inter-disciplinary networking via

- **2,562** Professional Chapters that unite local members with similar technical interests
- **39** Technical Societies
- More than **107,000** Student members
- **3,485** Student Branches at colleges and universities in **100** countries
- **2,877** Student Branch Chapters of IEEE Technical Societies
- **580** affinity groups and growing, including IEEE Young Professionals (YP), IEEE-USA Consultant’s Network, IEEE Life Members (LM), IEEE Entrepreneurship, and IEEE Women in Engineering (WIE)

Data current as of June 2021

Learn more: [ieee.org/about/at-a-glance.html](http://ieee.org/about/at-a-glance.html)
IEEE Societies

IEEE Societies allow members to network with colleagues and collaborate on projects with leading experts—while taking advantage of specialized opportunities.

IEEE Aerospace and Electronic Systems Society (AESS)
IEEE Antennas and Propagation Society (APS)
IEEE Broadcast Technology Society (BTS)
IEEE Circuits and Systems Society (CAS)
IEEE Communications Society (ComSoc)
IEEE Computational Intelligence Society (CIS)
IEEE Computer Society (CS)
IEEE Consumer Technology Society (CTSoc)
IEEE Control Systems Society (CSS)
IEEE Dielectrics and Electrical Insulation Society (DEIS)
IEEE Education Society (EdSoc)
IEEE Electromagnetic Compatibility Society (EMC-S)
IEEE Electron Devices Society (EDS)
IEEE Electronics Packaging Society (EPS)
IEEE Engineering in Medicine and Biology Society (EMBS)
IEEE Geoscience and Remote Sensing Society (GRSS)
IEEE Industrial Electronics Society (IES)
IEEE Industry Applications Society (IAS)
IEEE Information Theory Society (ITS)
IEEE Instrumentation and Measurement Society (IMS)
IEEE Intelligent Transportation Systems Society (ITSS)
IEEE Magnetics Society
IEEE Microwave Theory and Techniques Society (MTT-S)
IEEE Nuclear and Plasma Sciences Society (NPSS)
IEEE Oceanic Engineering Society (OES)
IEEE Photonics Society
IEEE Power Electronics Society (PELS)
IEEE Power & Energy Society (PES)
IEEE Product Safety Engineering Society (PSES)
IEEE Professional Communication Society (PCS)
IEEE Reliability Society (RS)
IEEE Robotics and Automation Society (RAS)
IEEE Signal Processing Society (SPS)
IEEE Society on Social Implications of Technology (SSIT)
IEEE Solid-State Circuits Society (SSCS)
IEEE Systems, Man, and Cybernetics Society (SMC)
IEEE Technology and Engineering Management Society (TEMS)
IEEE Ultrasonics, Ferroelectrics, and Frequency Control Society (UFFC)
IEEE Vehicular Technology Society (VTS)

Learn more: ieee.org/communities/societies
IEEE Technical Councils

Technical Councils are groups of Societies working together in broad areas of technology.

IEEE Technical Councils are usually focused on a single technology area and the opportunities stemming from it.

IEEE Societies collaborate on:
- technical meetings
- publishing research
- promoting educational activities
- developing standards

Learn more: ieee.org/communities/societies/about-technical-councils.html
IEEE Future Directions

Fostering partnerships among Societies, Councils, and industry to find the best knowledge, resources, and opportunities in emerging technologies within IEEE.

Learn more: ieee.org/about/technologies.html
IEEE Collabratec® | Discover, Connect, Collaborate

Network, collaborate, and create with technology experts.

IEEE Collabratec is an online community where technology professionals can:

- Meet technology professionals
- Join and participate in communities
- Embrace career opportunities
- Work together in virtual workspaces
- Manage your personal library
- Discover IEEE events

Learn more: collabratec.ieee.org
IEEE Entrepreneurship

The engineering-driven startup community within IEEE.

The IEEE Entrepreneurship community is at the forefront of turning ideas into successful businesses. There are three main ways to get involved:

- **The IEEE Collabratec® Entrepreneurship Community** brings together individuals who have a passion for all things entrepreneurial.
- **IEEE Entrepreneurship Events** are designed to inspire tech startup founders, investors, and service providers.
- **IEEE Entrepreneurship Portal** is your online resource for growing your ideas and finding IEEE activity relevant to startup companies and founders.

Learn more: entrepreneurship.ieee.org
IEEE Innovation Nation

For every idea that needs a platform to showcase its worth, IEEE Innovation Nation is the competition for it.

Lack of guidance or finances should never be the reason to shut down the entrepreneur inside you. IEEE Innovation Nation is organized to address this by providing resources to take your idea or product to the next level:

- **TRAINING**
  Get equipped with necessary skills to run a company

- **MENTORING**
  Get guidance from experts in the field

- **FINANCES**
  Back your ideas and execution skills with finances

The IEEE Innovation Nation initiative will be carried out in the following areas this year:

Learn more: [in.ieee.org](http://in.ieee.org)
Local Communities

IEEE is divided into ten worldwide geographic regions—local communities are key to making it all come together.

- Within the regions, there are local sections, chapters, and affinity groups
- Local communities conduct over 10,000 meetings a year
- Provide unique opportunities for members to:
  - Attend technical presentations
  - Create strong peer-to-peer connections
  - Explore their technical interests as a community
  - Network locally and globally
  - Participate in leadership opportunities

Learn more: ieee.org/communities

Total Membership +400,000 across TEN IEEE Regions
Student Branches

IEEE Student branches are at the core of student membership, providing:

• Networking opportunities in students’ areas of interest and future professions
• Learning and social experiences
• Collaboration opportunities with IEEE colleagues and member groups

Spotlight on IEEE University Partnership Program
Collaborative community at the top technical schools in the U.S., China, and India.
Supports activities that challenge students to develop leadership, teamwork, networking, research, and communication skills while learning firsthand how the IEEE serves its members, profession, communities, and humanity worldwide.

Learn more: students.ieee.org
Conferences
IEEE creates collaborative platforms for tomorrow’s innovators and authors. Because innovation begins with a big idea and IEEE.
IEEE Conferences

Building relationships and exploring ideas are on the agenda at every IEEE conference.

• IEEE sponsors more than 1,600 annual technical conferences around the world.
  • In 2020, IEEE published over 205,000 conference papers.
  • IEEE partners with over 1,300 institutions around the world each year to bring research forward.
• Offers professional expertise in virtual and hybrid formats as well as the traditional face-to-face formats
• Provides many resources for authors, speakers, conference organizers, students, and volunteers.

Learn more: ieee.org/conferences/
Popular Conferences

When an idea sparks, technology professionals turn to the IEEE community as a forum and testing ground.

- IEEE PES T&D Conference & Exposition (PES T&D)
- International Microwave Symposium (IMS)
- Supercomputing – International Conference for High Performance Computing, Networking, Storage, and Analysis (SC)
- IEEE International Conference on Blockchain and Cryptocurrency (ICBC)
- International Conference on Artificial Intelligence and Big Data (ICAIBD)
- Global Internet of Things Summit (GloTS)
- IEEE International Conference on Cyber Security and Cloud Computing (CSCloud)
- IEEE International Conference on Robotics and Automation (ICRA)
- IEEE EUROCON – International Conference on Smart Technologies
- IEEE AFRICON
- World Symposium on Artificial Intelligence (WSAI)

Learn more: ieee.org/conferences/
Conference Proceedings

*IEEE produces cutting-edge conference proceedings that are recognized by academia and industry worldwide.*

- IEEE provides a forum for authors and speakers to present their work at various annual conferences worldwide.
- Papers submitted for publication are peer reviewed before they are published, ensuring a high-quality final product.
- All papers are published in IEEE Xplore® digital library, usually six weeks after the conference.

**Call for papers**

IEEE continuously updates its database with opportunities to submit abstracts and papers.

Learn more: [ieee.org/conferences/](http://ieee.org/conferences/)
IEEE Meetings, Conferences & Events (MCE)

Find everything you need to know about organizing an IEEE event.

IEEE provides resources and support for the conference community, IEEE volunteers, and conference sponsors:

• Conference planning basics
• COVID-19 pandemic event resources
• Virtual and hybrid event guidance
• IEEE sponsorship
• IEEE Conference Application
• Finance & contracts
• Technical program development
• Audience development
• Tools & resource finder

Learn more: ieemce.org
Virtual Events Team

The IEEE MCE team has expertise in online, virtual, and digital event mediums.

Virtual Event Series
- Designing programs for the online experience
- Audience engagement: techniques and practices
- Keynote prep/Green Room management
- Exhibitor/Sponsor innovations and management

Digital Event Production
- Live-day event production
- On-demand/hybrid productions
- Live sessions, panel discussions, and moderation
- Moderated chat and live Q&A with audience

Event Consultation
- Innovations in program, exhibit, and sponsor design
- Consultation in digital platform and services
- Tricks and tips for networking and engagement
- Collaboration with event organizers

Hybrid Production
- Hybrid program development for a seamless audience experience
- Filmed, produced, and edited assets
- Highlight videos
- Sizzles and interviews

“Virtual events allow us to break through the constraints of time and place to enrich and extend a live gathering”

Marie Hunter, Senior Director, MCE

Learn more: ieee.org/conferences/
Local Meetings and Events

IEEE provides its members and volunteers with year-round networking opportunities.

Local meetings and events are hosted by:

- IEEE Sections
- IEEE Chapters
- Student branches
- Other regional governing bodies

Learn more: [meetings.vtools.ieee.org/events/search](meetings.vtools.ieee.org/events/search)
IEEE research advances technical theory that the world puts into practice. People expect technology to solve tomorrow’s problems. So does IEEE.
IEEE Publications

The technology landscape is constantly evolving—stay current on the latest breakthroughs with IEEE.

- IEEE’s publications provide coverage of the latest technical developments that shape the world.
  - Each year, IEEE introduces new publications to address growing areas of research, such as cloud computing, renewable energy, cognitive computing, 5G, sustainable computing, autonomous vehicles, and more.
- IEEE gives authors flexibility with open access and hybrid journals

1 million+ articles from 200 Journal and Magazine titles
3.6 million+ Conference papers
1,200 New and revised Standards
5,000+ eBooks titles
1,000+ eLearning titles
PLUS, NEW TOOLS TO DISCOVER THEM ALL

Learn more: ieee.org/publications
Why IEEE?

Quality makes an impact—the top-cited publications in the field for IEEE

IEEE Publishes:

- **27 of the top 30** journals in Electrical and Electronic Engineering
- **21 of the top 25** journals in Telecommunications
- **8 of the top 10** journals in Automation & Control Systems
- **7 of the top 10** journals in Computer Science—Artificial Intelligence
- **7 of the top 10** journals in Computer Science—Computer Hardware & Architecture
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IEEE 2851™

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IEEE Standards in Real Life

Improving personal health device communications through consensus building

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<td>IEEE 11073-10407™</td>
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<tr>
<td>BODY COMPOSITION ANALYZER</td>
<td>IEEE 11073-10420™</td>
<td></td>
</tr>
<tr>
<td>CARdiovascular fitness &amp; activity monitor</td>
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<td></td>
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<td>IEEE 11073-10415™</td>
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Learn more: standards.ieee.org
Participate in Standards Development

Getting involved in IEEE standards provides many benefits:

• Opportunities to network with industry peers
• Broaden your understanding of your industry and technology
• Gain familiarity with the content of standards in which you are involved
• Facilitate early compliance and anticipating market requirements

WAYS TO GET INVOLVED
• Standards Development
• Industry Connections Program activities

LEARN ABOUT:
• IEEE SA PRACTICES
• IEEE SA OPEN - Open Source
• IEEE Conformity Assessment Program
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- Pharma
- Clinical health
- Wellness

Mobility
- Safe autonomous driving
- Zero emissions
- MaaS

Energy
- Smart energy
- Energy efficiency
- Energy infrastructure

New Frontiers
- Sustainability
- Cybersecurity
- Emerging technology areas

Foundational Technologies
- Industrial IoT
- Consumer technology
- Infrastructure

Telecommunications & Connectivity
- Rural
- Next generation telecom
- Wired and hybrid communications
IEEE SA Program Portfolio

**Industry Connections**
Exploring & incubating new tech & its use

**Standardization**
Creating markets & protecting public safety through standards development

**Membership**
Getting connected to experts & resources & enabling advanced participation options

**Conformity Assessment**
Providing confidence & assurance & accelerating market adoption

**Open Source**
Providing a community-powered platform to support open source projects

**Alliance Management**
Providing program support to alliances & trade associations

**Registries**
Providing unique identifiers to support global compatibility & interoperability

**Industry Affiliate Network**
Assisting industry organizations in accelerating development and adoption of global standards
Education

IEEE inspires young minds, enables futures, and discovers solutions to tomorrow’s challenges.
IEEE Educational Programs and Resources

IEEE programs open eyes to possibilities.

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- Continuing Education
- Pre-University STEM Programs
- University Programs
- Career Preparation
- Volunteer Mentoring Opportunities
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See full list of courses and try free courses: iln.ieee.org
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Access to technical content, training, and education for every engineering discipline.

- Valuable IEEE Society and technical community content
- Access to content 24/7 through an easy-to-use global portal
- Peer-reviewed technical products available
- Opportunities to earn CEUs and PDHs
- Most technical content available at no cost for Society members from their respective Resource Center

See the full list of IEEE Society Resource Centers: ieee.org/communities/ieee-resource-centers.html
Pre-University STEM Education Resources

IEEE offers STEM education opportunities for pre-university students and teachers across the globe.

- **TryEngineering.org**: Free STEM education content, including lesson plans for teachers, online engineering games, engineer profiles, an accredited engineering program university finder, and much more.

- **Volunteer STEM Portal**: A free website for IEEE volunteers to share their pre-university STEM programs. The portal also serves as a resource for other IEEE Volunteers interested in teaching STEM.

- **TryEngineering Together**: A virtual mentoring program that pairs engineers and STEM enthusiasts with students in grades 3–8 in under-resourced school districts.

- **TryEngineering Summer Institute**: A two-week, on-campus summer engineering experience for high school students.

- **IEEE REACH**: Provides STEM and Social Studies teachers with free resources that, through the lens of history, situate science, technology, and engineering in their social and humanistic contexts. Resources include lesson plans, hands-on activities, primary source materials, and student videos that deliver a new, interdisciplinary pathway for STEM education.

Visit [ieee.org/education](http://ieee.org/education)
University Education Resources

IEEE is ensuring that students have the resources needed to succeed academically, and faculty members have opportunities for career development.

- **ABET Accreditation**: IEEE and its volunteers have a voice in determining the threshold set of knowledge, skills, and abilities needed for successful entry into engineering, computing, and technology fields.

- **EPICS in IEEE**: Students learn to solve problems in communities worldwide through service learning, while at the same time improving the quality of life for the people living there.

- **IEEE Eta Kappa Nu (IEEE-HKN)**: Encourages and recognizes individual excellence in education and meritorious work, in professional practice, and in any of the areas within the IEEE-designated fields of interest.

- **IEEE Teaching Excellent Hub**: Provides professional development resources for those teaching engineering, computing, and technology at the university level.

- **IEEE Education Society**: The IEEE Education Society is a worldwide community of professionals dedicated to ensuring high-quality education in science and engineering.

Visit [ieee.org/education](http://ieee.org/education)
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- Meritorious Achievement in Continuing Education
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- Meritorious Service to IEEE EAB
- Educational Activities Board (EAB)/Standards Association (SA) Board of Governors Standards Education Award
- Employer Professional Development
- Section Professional Development
- Society/Council Professional Development

Scholarship/Fellowship
- IEEE Life Members Graduate Study Fellowship in Electrical Engineering
- The Charles LeGeyt Fortescue Scholarship

IEEE-HKN Awards and Recognitions:
- Outstanding Chapter Award
- Alton B. Zerby and Carl T. Koerner Outstanding Student Award
- Outstanding Young Professional Award
- C. Holmes MacDonald Outstanding Teaching Award
- Eminent Member Recognition
- Distinguished Service Award
- Asad M. Madni Outstanding Technical Achievement and Excellence Award
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• Get relevant career news and advice
• Know what to ask for with the IEEE-USA Salary Calculator

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• Search the IEEE resume database of registered job seekers to find the right candidate

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Online program that facilitates the matching of IEEE members for a mentoring partnership.

Benefits of participating in the IEEE mentoring program:

- Brings ongoing attention to your career development
- Let’s you develop a specific skillset
- Expands your professional network
- Provides an opportunity to share knowledge and experiences
- Allows participants to see things from another person's perspective
- Enhances your personal brand

Learn more: ieee.org/membership/mentoring.html
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Opportunities in IEEE Collabratec
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IEEE is committed to advancing technology for the benefit of humanity. IEEE does more than fulfill needs. We improve lives.
IEEE Foundation

Realize the full potential of IEEE.

Making impacts across multiple initiatives and around the world:

• Illuminate the possibilities of technology by using it to address global challenges
• Educate the next generation of innovators and engineers
• Engage a wider audience in understanding the value of engineering and technology
• Energize innovation by celebrating technological excellence

Learn more: ieee foundation.org
IEEE Humanitarian Activities Committee (HAC)

Inspiring, connecting, and empowering IEEE volunteers

IEEE HAC provides leadership and resources that inspire and enable IEEE volunteers around the world to carry out and support impactful humanitarian technology and sustainable development activities at the local level.

IEEE HAC’s work focuses on:

- **Raising awareness** – IEEE HAC engages in outreach efforts so that existing and potential IEEE members know how they can use their technical skills for social good.

- **Providing training** – Educational materials and opportunities allow humanitarian technology and sustainable development activities participants to obtain necessary skills.

- **Supporting IEEE humanitarian technology and sustainable development activities** – from 2016-2020 IEEE HAC awarded over US$2.66M in funding to 329 projects and events.

- **Strengthening the sustainable development community** through collaborations within, and beyond, IEEE.

Learn more: hac.ieee.org
IEEE Special Interest Group on Humanitarian Technology (SIGHT)

Connecting a global network of technically-trained individuals

SIGHT is a popular feet-on-the-ground initiative operating within IEEE HAC. SIGHT’s global network of volunteers' partner with underserved communities and local organizations to leverage technology for sustainable development.

- There are **17,500+ individual SIGHT members in 119 countries**—approximately 75% are students or graduate students.
- SIGHT encourages members to form groups to:
  - **learn** about sustainable development
  - **build** relationships within their local communities
  - **implement** projects that utilize technology to tackle key challenges the community is facing
- Since SIGHT’s inception in 2011, over **180 SIGHT Groups** have been established in **53 countries**.

“We gained knowledge, improved technical skills, expanded our network, and made bonds with the community. We encourage anyone willing to help implement humanitarian technology projects—we guarantee you will have a great experience.”

—SIGHT Project participant from El Salvador

Learn more: sight.ieee.org
IEEE New Initiatives Program

Big ideas lead to brilliant solutions

Learning more: ieee.org/initiatives

The New Initiatives program supports potential new IEEE initiatives, services, or products which could have lasting impact on IEEE:

- Increasing IEEE’s connectivity to the industry
- Engaging and recruiting members
- Creating innovative education opportunities
- Increasing the visibility of IEEE and its relevance to different communities
IEEE Smart Village

IEEE Smart Village is lighting up homes, businesses, and global classrooms—and empowering local economies using three pillars:

**ENERGY**
Provides renewable-energy solutions and necessary funding to local entrepreneurs to build electricity companies, assists the partners in establishing a sustainable business plan, and delivers ongoing training.

**EDUCATION**
Two complementary components crucial to helping stimulate sustainable community prosperity.
- Development Practice graduate certificate in humanitarian engineering
- Community Entrepreneurship vocational training to deploy, maintain, and franchise an IEEE Smart Village seed-funded micro-utility.

**ENTREPRENEURSHIP**
Our philosophy of empowering local entrepreneurs is unique in this philanthropic endeavor. These business owners have personally invested in the success of their community. The pride in accomplishments achieved together furthers the economic growth of the area.

Learn more: smartvillage.ieee.org
EPICS in IEEE
Connecting Engineering to Community Service

Solving community challenges through the power of technology and education, EPICS provides funding, support, mentorship, and visibility for engineering projects that transform communities across the globe.

**Workforce development**
Students get equipped for the workforce by defining, designing, building, testing, and deploying engineering-based solutions to real-life community challenges.

**Professional skills**
Students develop in-demand professional skills such as communication, collaboration, leadership, project management, and time management.

**Non-profit support**
Volunteers provide much-needed knowledge, skills, resources, and innovative solutions in partnering with community organizations on projects.

**Advancing STEM**
Through service-learning engineering curriculum, the program improves STEM education and inspires pre-university students to pursue STEM-based careers.

Learn more: epics.ieee.org
IEEE REACH provides teachers and their students with educational resources that explore the history of technology and highlight how technology, throughout time, impacts society, culture, politics, and economics, and how, in turn, those social aspects influence technology.

The goal of the program is to improve technology and engineering literacy skills as they relate to the social context of technology and provide a new lens from which students may view engineering and technology as relevant to their lives and their future.

IEEE REACH Resources include Inquiry Units, or lesson plans (which include formative and summative performance tasks, excerpted documents, and civic actions), Primary Sources, Hands-on Activities, and short engaging classroom Videos (Multimedia). All resources are downloadable for use either in the classroom or for remote learning.

Learn more: reach.ieee.org
IEEE-HKN

IEEE Eta Kappa Nu (IEEE-HKN), the honor society of IEEE, promotes excellence in the profession and in education with ideals of Scholarship, Character, and Attitude.

- IEEE-HKN members consist of students, alumni, and other professionals who have demonstrated exceptional academic and professional accomplishments.
- Student members are selected on the basis of scholastic standing, character, and leadership.
- Professional members are nominated by a current member and selected by virtue of their contributions.

Learn more: hkn.ieee.org
IEEE Power & Energy Society Scholarship Plus Initiative

The goal of the IEEE PES Scholarship Plus Initiative is to encourage undergraduate students to pursue careers in power and energy engineering.

• Provides scholarships and real-world experience to undergraduates who are interested in power and energy engineering careers.

• Attracts highly qualified engineering students to the field.

• Paves the way for the individuals who will one day develop new green technologies, build the smart grid, and change the way we generate and utilize power.

Learn more: ee-scholarship.org
IEEE-USA Community Outreach Initiative (the MOVE Project)

MOVE Community Outreach is an emergency relief program committed to assisting victims of natural disasters with short-term communications, computer, and power solutions.

- These temporary emergency relief provisions help those affected stay connected and make sure they can access the help they need.
- Services include phone charging, internet & communications support, and lighting to disaster victims.

Learn more: move.ieeeusa.org
IEEE Life Members Committee (LMC)

Providing leadership in identifying and supporting interests of IEEE Life Members.

The IEEE Life Members Fund of the IEEE Foundation supports IEEE activities of interest to Life members, potential engineers, and engineering students. Generous donations are invested in initiatives that:

- Excite students about STEM
- Empower young minds to pursue careers in IEEE fields of interest
- Preserve the legacy IEEE members helped create
- Acknowledge peers for accomplishments
- Encourage Life members and retirees to stay active in IEEE

Learn more: ieee.org(communities/life-members/fund.html)
IEEE History Center

The mission of the IEEE History Center is to preserve, research, and promote the legacy of electrical engineering and computing technologies.

IEEE HISTORY CENTER TIMELINE

Celebrating 40 Years

1981
1st exhibit, “Lines and Waves,” opens at IEEE Electro conference

1985
1st Milestone: Landing of the Transatlantic cable, Heart's Content, Newfoundland, Region 7

1991
1st conference: “Technological Competitiveness”

1995
250th oral history recorded (Lionel Barthold)

2002
IEEE Virtual Museum opens

2011
1st IEEE History Center Press Book: Bell Labs Memoirs

2015
Engineering & Technology History Wiki goes live

2016
IEEE REACH program launch

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