



IEEE Membership

Its Mission... Its Benefits... The Organization

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Region 2 Spring Meeting

Youngstown, Ohio

April 18, 2009



IEEE VISION

To advance global prosperity by fostering technological innovation, enabling members' careers and promoting community worldwide

IEEE MISSION

The IEEE promotes the engineering process of creating, developing, integrating, sharing, and applying knowledge about electro and information technologies and sciences for the benefit of humanity and the profession

Today's Discussion ...

- ❑ Benefits of IEEE Membership
- ❑ Special Interest Memberships
- ❑ IEEE—the Organization



Benefits of IEEE Membership

Why we join—why we stay...

Knowledge ...

staying current with the fast changing world of technology

Community ...

local and global activities, unparalleled networking opportunities, members-only discounts, electing IEEE leadership

Profession ...

empowering members to build and own their careers, mentoring, making the world a better place

Staying Technically Current

IEEE Spectrum Magazine

- Monthly, the award-winning IEEE Spectrum magazine explores the creation, application and implications of new technologies

IEEE.tv

- IEEE's Internet television, exclusive Member programming and file downloading privileges

The Institute Newsletter

- Monthly (4 print, 8 online) newsworthy IEEE activities both in professional and technical areas

IEEE Potentials Magazine

- 6 issues (online), the magazine for technology's rising, student innovators

IEEE Xplore Digital Library

- Table-of-contents and abstracts (1.9 million documents)

Additional Benefits (add-ons)...

- IEEE Member Digital Library, Proceedings of the IEEE



Professional Networking

Sections, Student Branches, and Technical Chapters

- ❑ Local, face-to-face technical and social meetings
- ❑ Engage peers through informative technical meetings
- ❑ Recognition of accomplishments



IEEE MemberNet

- ❑ Authoritative member directory of IEEE
- ❑ Networks personalized to each member
- ❑ Opt-in privacy protection

IEEE e-Mail Alias

- ❑ Identifies you as the IEEE 'family'
- ❑ Virus protection and spam filtering

IEEE Mentoring Connection

- ❑ Peer-to-peer advice and counsel
- ❑ Participate as either mentor or mentee

Volunteering

- ❑ Opportunities that build leadership skills and networking opportunities



Member Discounts / Reduced Rates

Membership paying for itself

- ❑ As much as 50% off IEEE products
- ❑ Registration discounts on 350+ conferences annually

Additional Benefits (add-ons)... the power of volume purchasing...*

- ❑ Financial Services
- ❑ Insurance Services
- ❑ Home & Office Services
- ❑ Travel Services

CASE STUDY
Meet: Macey, a Software Developer

2005 Purchases	Non-Member Rate	Member Rate	Savings
Purchased IEEE Standard for Software Verification and Validation	\$105.00	\$85.00	= \$20.00
Purchased conference proceedings for 2005 Workshop on Information Assurance & Security	\$218.00	\$109.00	= \$109.00
Total IEEE Member Savings			= \$129.00



*Benefits vary by country

Career Development & Recognition

IEEE Job Site, Career Alert

- ❑ Locate career opportunities easily and confidentially
- ❑ Weekly email newsletter containing career advice

Continuing Education Partners Program

- ❑ Up to a 10% discount on online degree programs

Graduates of the Last Decade (GOLD), Life Membership

- ❑ Membership communities with special interests and needs

Awards & Scholarships

- ❑ Recognizes the accomplishments of IEEE members
- ❑ Enhance your resume with an IEEE scholarship

Additional Benefits (add-ons)...

- ❑ IEEE Expert Now – Online video conference tutorials, short courses & workshops

Education Partners Program (EPP-IEEE)



IEEE Job Site FEATURED JOBS

Senior Research
Athlone, Ireland
Ericsson Ireland

Electrical Engineer
Palmetto, FL
ITW GSE Group -
Trilectron

**Electromagnetic
Research Scientist**
Champaign, IL
SAIC

**Automation/Controls
Engineer (Robotics)**
Carlsbad, CA 92008
Callaway Golf
Company

Aerospace Engineer
Hampton, VA
SAIC

**Cost Engineer/Cost
Manager**
Washington, DC
20560-0908
Smithsonian
Institution

**Staff Equipment
Engineer**
Santa Clara, CA
95128
Affymetrix, Inc.

Volunteering & Giving Back to Society

Volunteering

- ❑ Developing critical, non-technical skills that enable you to be more effective professionally

Commitment to the Next Generation

- ❑ Enabling low-cost student membership
- ❑ Introduction of engineering and technology to young people worldwide



IEEE Global History Network

- ❑ Sponsor of the IEEE Virtual Museum
- ❑ Preservation, research, and dissemination of information about the history of electrical science and technology
- ❑ Technological and organizational history of IEEE, its members, and their professions, in order to increase awareness
- ❑ Role of engineering and technology in the improvement of the quality of life for people throughout the world



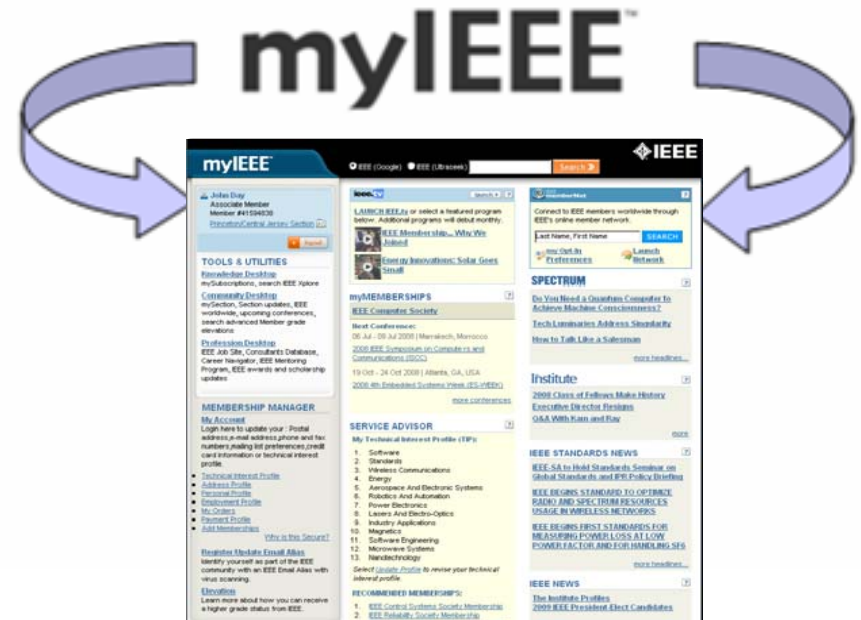
Mentoring

- ❑ Numerous venues for serving as a trusted advisor
- ❑ Participation in IEEE Mentoring Connection



Bringing it all together... myIEEE™

- ❑ One-stop and personalized access to membership benefits
- ❑ Connect with your local IEEE Section
- ❑ Desktop navigation w/personalized benefit access
- ❑ Society memberships and conference updates
- ❑ Latest news from IEEE Spectrum, IEEE Standards, and The Institute
- ❑ IEEE.tv internet television
- ❑ MemberNet online membership directory
- ❑ Direct and seamless access into membership account
- ❑ Real-time job listings from the IEEE Job Site





Special Interest Memberships

Society Membership

IEEE Society membership enhances the benefits of IEEE membership

- ❑ 38 Societies representing a full spectrum of technical interests
- ❑ Local technical chapters
- ❑ Subscriptions and online content
- ❑ Local technical chapters
- ❑ Networking w/innovators, experts, and practitioners
- ❑ Members-only rates on additional publications
- ❑ Volunteering opportunities
 - ❖ Technical committees
 - ❖ Journal editors
 - ❖ Conference organizers



Society Membership

- Aerospace & Electronic Systems
- Antennas & Propagation
- Broadcast Technology
- Circuits & Systems
- Communications
- Components, Packaging, & Manufacturing Technology
- Computer
- Computational Intelligence (formerly Neural Networks)
- Consumer Electronics
- Control Systems
- Dielectrics & Electrical Insulation
- Education
- Electromagnetic Compatibility
- Electron Devices
- Engineering in Medicine & Biology
- Geoscience & Remote Sensing
- Industrial Electronics
- Industry Applications
- Information Theory
- Instrumentation & Measurement
- Intelligent Transportation Systems
- Lasers & Electro-Optics
- Magnetics
- Microwave Theory & Techniques
- Nuclear & Plasma Sciences
- Oceanic Engineering
- Power Electronics
- Power Engineering
- Product Safety Engineering
- Professional Communication
- Reliability
- Robotics & Automation
- Signal Processing
- Society on Social Implications of Technology
- Solid-State Circuits
- Systems, Man, & Cybernetics
- Ultrasonics, Ferroelectrics, & Frequency Control
- Vehicular Technology

IEEE Standards Association

A standards program that serves the global needs of industry, government, and the public

- ❑ **Individual Membership**
 - ❖ Unlimited balloting
 - ❖ IEEE-SA news
 - ❖ IEEE-SA Member Central
 - ❖ Member discounts
 - ❖ Voting Rights, IEEE-SA governance

- ❑ **Corporate Membership**
 - ❖ Corporate Forum
 - ❖ Corporate Advisory Group
 - ❖ Online Community
 - ❖ Complimentary Individual memberships
 - ❖ Voting Rights, IEEE-SA governance

The collage features several IEEE Standards Association resources:

- Website Screenshot:** Shows the IEEE Standards Association homepage with navigation links for Membership, Publications, Services, Standards, and Conferences. A 'Text Size' selector is visible.
- Download Page:** A page titled 'Get IEEE 802®' with the heading '...Partnering with industry to close the digital divide...'. It offers a menu to begin downloading IEEE LAN/MAN Standards and includes a link for 'Trouble downloading standards? Click here for PDF Download Help'. Specific standards listed include IEEE 802®: Overview & Architecture and IEEE 802.1™ Bridging & Management.
- Books:** Two IEEE standards books are shown: '2007 National Electrical Safety Code' (published by IEEE and NESC) and 'Nuclear Power Engineering' (published by IEEE and Nuclear Energy Institute).
- WHAT'S HOT Section:** A blue sidebar containing:
 - ITU Workshop: Intellectual Property Rights and ICT Standards Implementation** - Visit the ITU website for more information.
 - IEEE-SA Supporting Battery Power 2008** - Receive a discounted registration rate through the IEEE-SA. Visit the events page for more information.
 - IEEE-SA Nanoelectronics Standards Roadmap** - Download your copy now!
 - StandardsFocus Newsletter** - Get the latest news of the IEEE-SA Corporate Program. Sign Up Today!
 - StandardsWire™** - Stay on top of newest IEEE standards coming out and their impact in the marketplace, subscribe today.

IEEE Women in Engineering

Facilitating the development of programs and activities that promote the entry into and retention of women in engineering programs

- ❑ 90+ local groups worldwide



- ❑ **RECOGNIZES** women's outstanding achievements in electrical and electronics engineering through IEEE Awards nominations.
- ❑ **ORGANIZES** receptions at major technical conferences to enhance networking and to promote membership in WIE.
- ❑ **ADVOCATES** women in leadership roles in IEEE governance and career advancement for women in the profession.
- ❑ **PROVIDES** assistance with the formation of new WIE Affinity Groups and supports ongoing activities.
- ❑ **PROMOTES** IEEE Member Grade advancement for women to the grades of Senior Member and Fellow.
- ❑ **FACILITATES** the development of programs and activities that promote the entry into and retention of women in engineering programs.



IEEE - the Organization

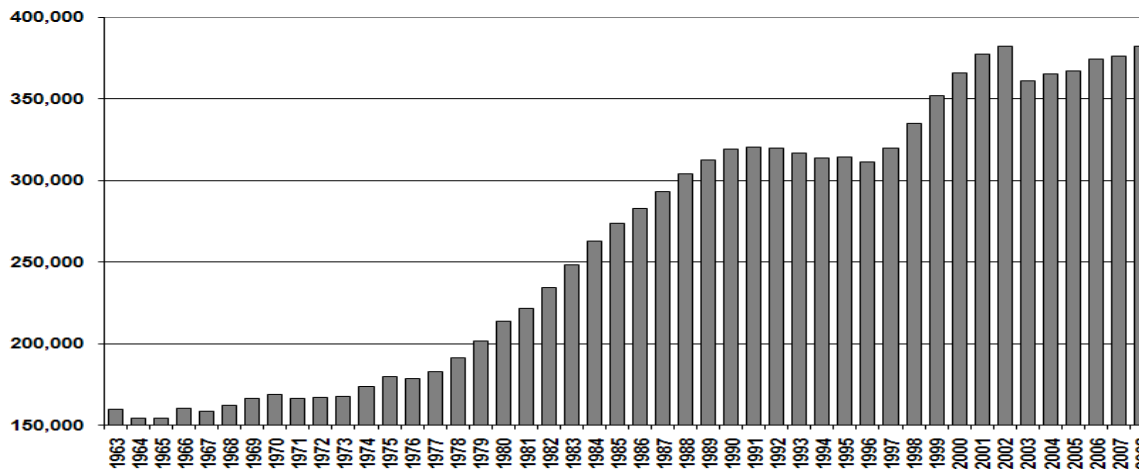
Membership

- About 384,000 members in over 150 countries
 - ❖ over 40 percent are from outside the United States
- 85,000 student members
- 27,000+ society affiliates
- 300+ sections, ,400+ technical chapters
- 1,300+ student branches in 80 countries
 - ❖ 300+ student branch chapters
- 38 societies and 6 technical councils

From every work sector

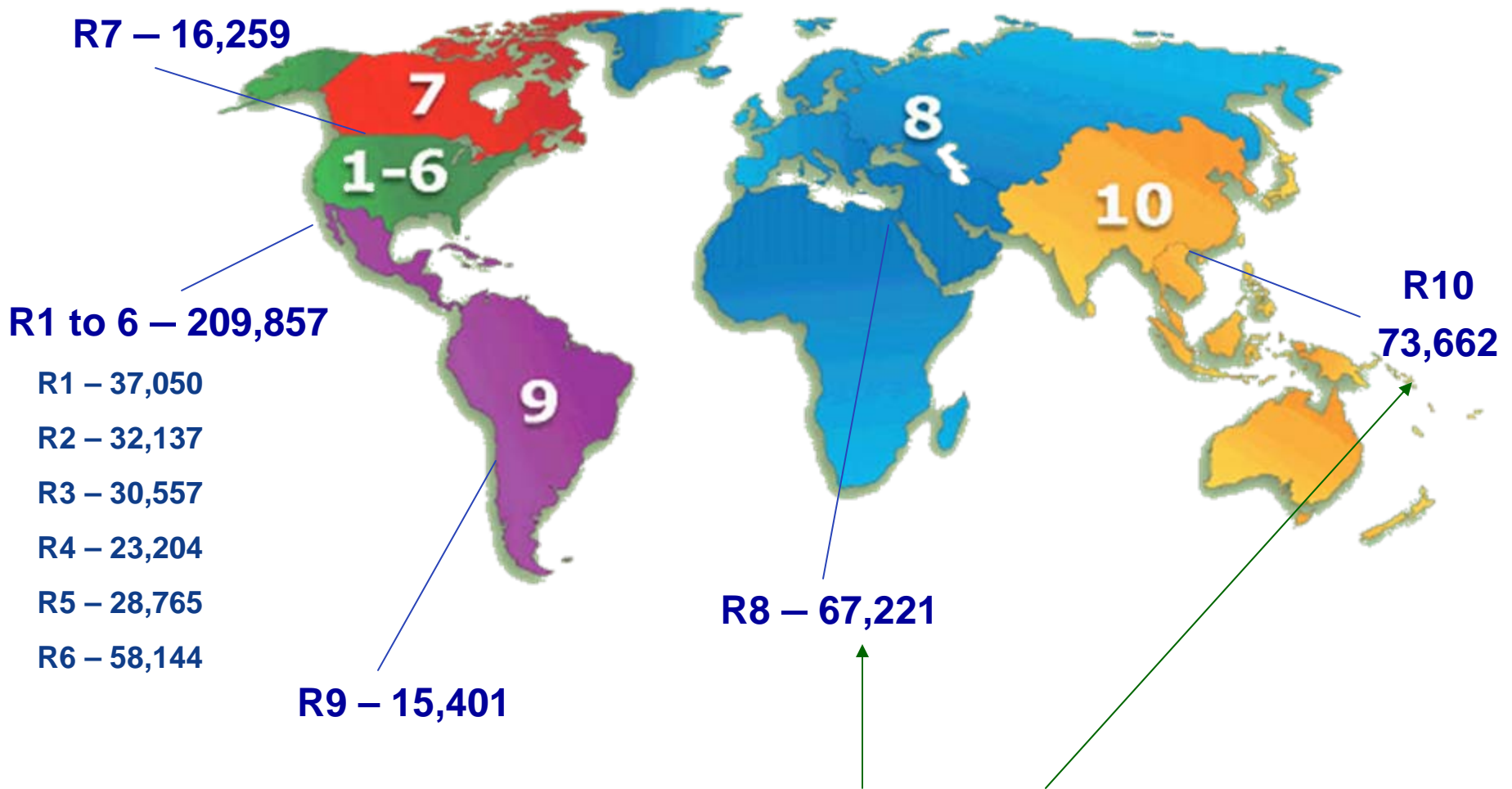
- 50% work for private industry
- 20% in academia
- 10% in government
- 20% other (retired, self-employed, unemployed, “other”)

Total IEEE Membership - 1963 to 2008



← 384,400 !

Membership by Region



Reflecting the global nature of IEEE, R8 and R10 are now the two largest IEEE Regions

IEEE Publishing & Conferences

Providing researchers and practitioners worldwide with the most essential information in technology today

IEEE/IEE Electronic Library (IEL)

- ❑ 30% of world's current literature in electrical engineering and computer science
- ❑ More than 1.8 Million documents available

IEEE Xplore

- ❑ Provides full-text access to
- ❖ IEEE journals, transactions, letters, and magazines from 1988 with select content back to 1913
- ❖ IEEE conference proceedings from 1988 with select content back to 1953
- ❖ IEEE standards from 1948 & IEEE books from 1974
- ❖ IET journals, letters, and magazines from 1988 & IET conference proceedings from 1988

Over 350,000 Participants at more than 400 meetings & conferences worldwide

- ❑ Region Conferences
- ❑ International Conferences
- ❑ Symposiums
- ❑ Workshops
- ❑ Tutorials



IEEE Educational Activities

Ensuring the growth of skill and knowledge among the technical profession

IEEE Expert Now

- ❑ Selects the best IEEE educational courses and tutorials from conferences and workshops around the world
- ❑ Delivered in a series of engaging and highly interactive, one-hour online learning courses
- ❑ Developed by recognized experts in a wide range of engineering and research technologies

IEEE Education Partners Program

- ❑ Offers an exclusive 10% discount to IEEE members, for the following offerings:
 - ❖ On-line degree programs
 - ❖ Continuing Education
 - ❖ Certifications

IEEE Standards Education

- ❑ Helps electrical and computer engineering undergraduate programs incorporate standards in their learning processes
- ❑ Provides learning tools to use in learning about standards and their impact on design and development

TryEngineering.org

- ❑ Partnership between IEEE and IBM
- ❑ Intended for pre-university students, parents, teachers, school counselors, and the general public
- ❑ Visitors can explore how to prepare for an engineering career, ask experts engineering-related questions, and play interactive games



Making the World a Better Place

Advancing global prosperity by fostering technological innovation, enabling members' careers and promoting community worldwide

GEOSS

- ❑ Linking millions of established national, regional and international sources and datasets into a single network capable of tracking environmental changes in oceans, earth, atmosphere and ecosystems around the world
- ❑ Benefits to society include disaster reduction, health, energy, climate, weather, water and agriculture, among others.
- ❑ IEEE is supporting the development of the GEOSS plan through its Committee on Earth Observation

Networking Nigeria

- ❑ Construction of new computer center, University of Ibadan
- ❑ Donations from the IEEE, the IEEE Foundation, and the Hewlett-Packard Foundation

Windpower Symposium

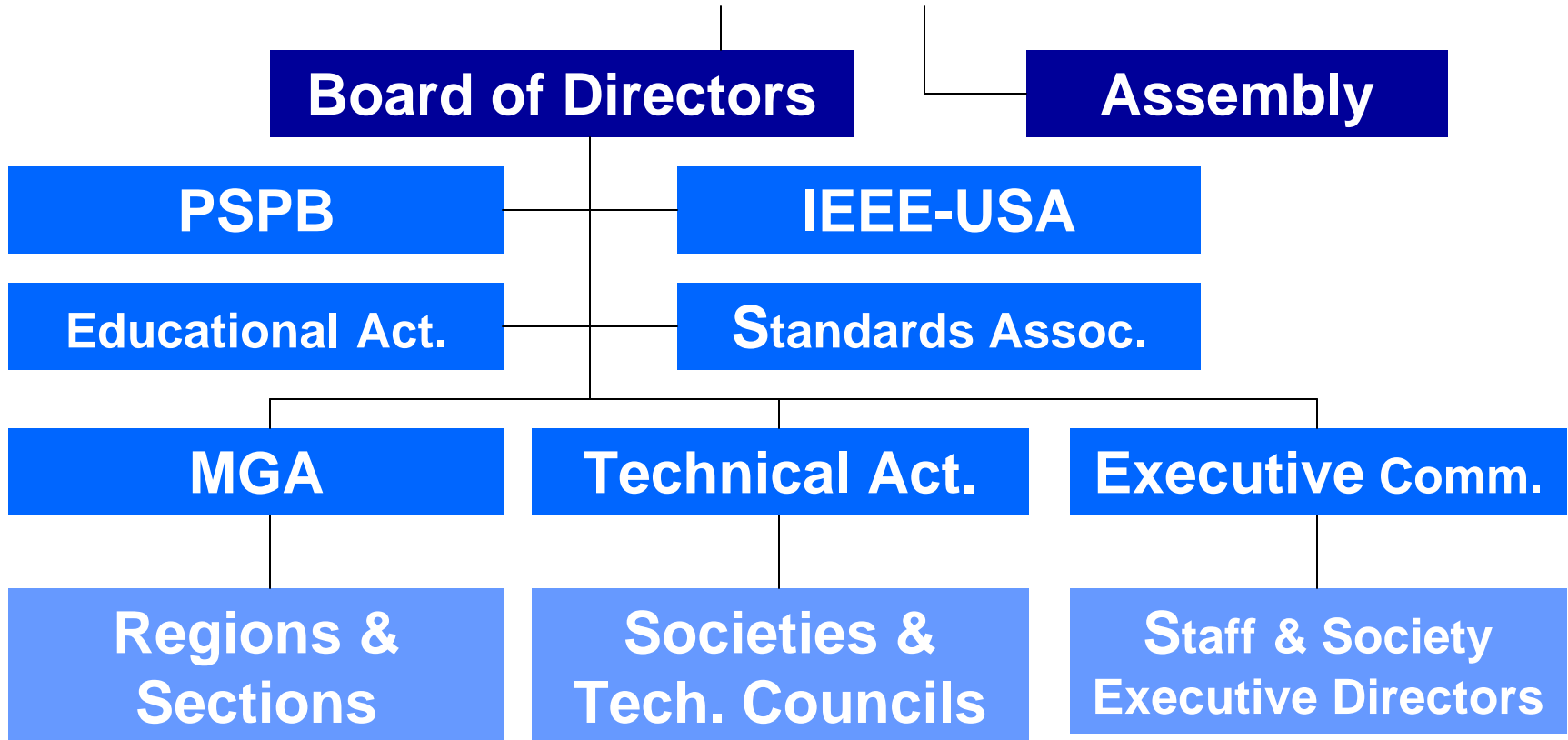
- ❑ Sponsored by IEEE-USA, 4 IEEE Societies (IAS, PES, PELS, SSIT) and AWEA, UWIG, NERC
- ❑ 170 attendees and invited speakers from government, industry and academia



IEEE Organization & Governance



MEMBERS





In Summary...

IEEE Membership: Its benefits, its mission, the organization

Benefits of IEEE Membership

- ❑ Keeps you technically current
- ❑ Grows your professional network locally and internationally
- ❑ Access to in-person technical forums
- ❑ Members-only discounts—IEEE products, conferences, and insurance coverage
- ❑ Provides tools for career development and advancement
- ❑ Developing critical, non-technical skills to be more effective
- ❑ Opportunities to volunteer, and give back to society

Special Interest Memberships

- ❑ Expands the scope and depth of your technical knowledge
- ❑ Extends your professional network
- ❑ Influence the direction and application of technology through standards development
- ❑ Promotes the entry into and retention of women in engineering programs

IEEE—the Organization

- ❑ The world's largest technical professional association, 375,000+ members
- ❑ Local activities in a global network
- ❑ World-renowned standards body
- ❑ Sponsors 400+ conferences annually
- ❑ Publisher of 1/3 of the world's literature on electro-technology
- ❑ Making the world a better place
- ❑ 125 years of engineering the future



Thank you!
Questions ?