

Come and join your student
IEEE Chapter!



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Outline

1. **Overview of the IEEE**
2. **IEEE Student Branches**
3. **IEEE Student Membership**
4. **Life after College**



1. IEEE Overview

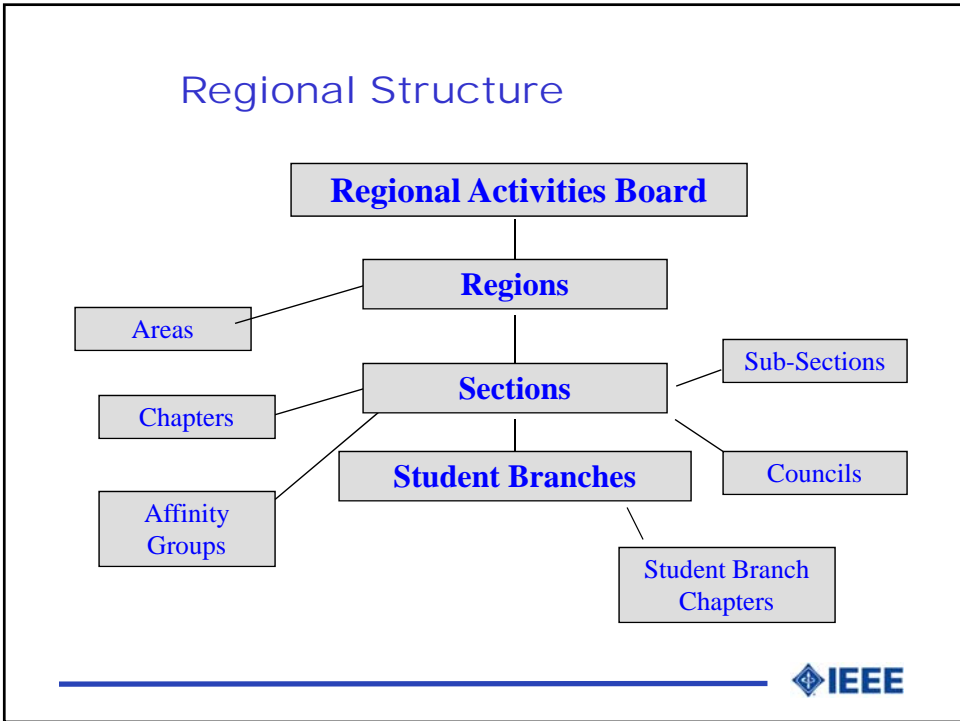
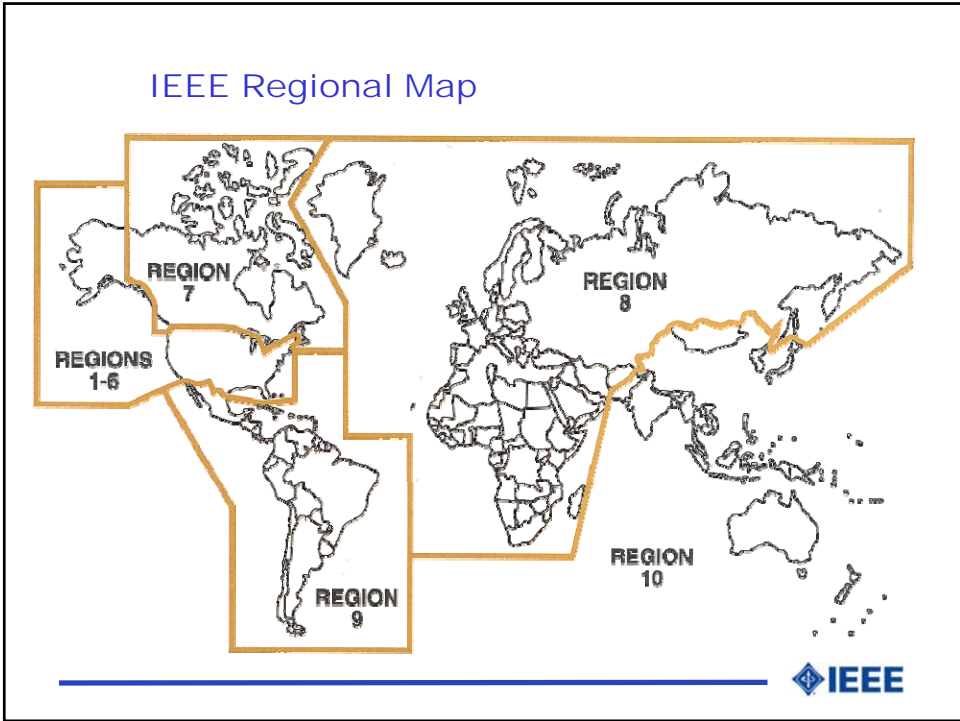
- ▶ The **I**nstitute of **E**lectrical and **E**lectronics **E**ngineers is the world's largest technical professional society.
- ▶ The IEEE and its predecessors, the AIEE (American Institute of Electrical Engineers) and the IRE (Institute of Radio Engineers), date to 1884.
- ▶ More than 380,000 members in over 150 countries, including over 50,000 student members worldwide.
- ▶ IEEE is the leading authority in a wide range of technical areas.
- ▶ IEEE covers the fields of computer engineering, biomedical technology, telecommunications, electric power, aerospace and consumer electronics, etc.



1. IEEE Overview (cont'd)

- ▶ As the world's largest professional technical society, the IEEE produces nearly 30% of the world's published technical literature in the most prestigious journals (IEEE Transactions, Proceedings of IEEE) and conferences.
- ▶ IEEE sponsors more than 300 major conferences annually, has more than 800 active standards and many more under development.
- ▶ **IEEE Mission:**
 - ⇒ Fostering Technological Innovation
 - ⇒ Enabling Members' Careers
 - ⇒ Promoting Technical Community Worldwide





IEEE Organization

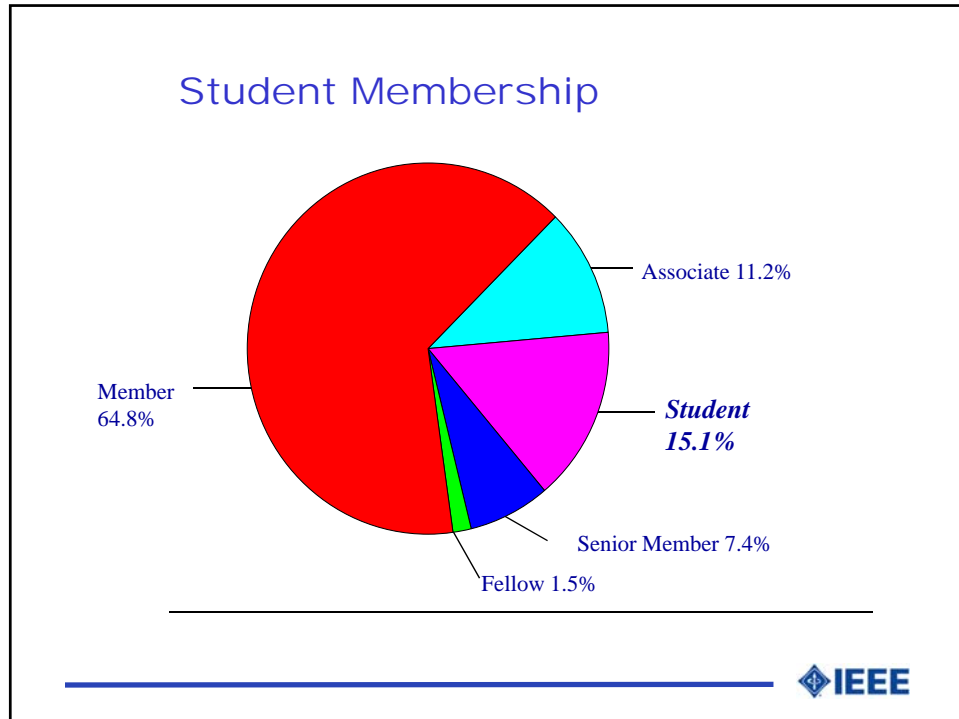
- ▶ IEEE is made up of 10 regions and 37 technical societies.
- ▶ Approximately 5% of the members volunteer to serve various IEEE related activities. These individuals make most of the operational decisions for IEEE worldwide.
- ▶ Hampton Roads is in Region 3
- ▶ Hampton Roads IEEE section
http://www.ewh.ieee.org/r3/hampton_roads
- ▶ IEEE Student Branch at Old Dominion University
 - Amber Mattson – president
 - Tristan Merrill – vice-president
 - Mark Lamont – secretary
 - Chad Rice – treasurer



IEEE Technical Societies

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





2. IEEE Student Branches

- ▶ A student branch is a basic operating entity of IEEE at a particular college or university.
- ▶ The purpose of the IEEE Student Branches is to provide the opportunities to meet and learn from fellow students, faculty members and professionals in the field.
- ▶ There are more than 1000 IEEE Student Branches worldwide.
- ▶ Student branch activities offer numerous educational, technical, and professional events.

4. IEEE Student Membership

- ▶ Application can be made on-line:
<http://services1.ieee.org/membersvc/nsmstudent/intro.htm>
- ▶ Every IEEE student membership application requires the endorsement of a faculty member (usually the Student branch Counselor. This endorsement verifies the student status of the applicant.
- ▶ Student membership fee is approximately US\$35 per year (full members pay \$171 for 2009 year).
- ▶ There is an additional \$10 per year fee for the local ODU IEEE student chapter.
- ▶ What benefits will you enjoy as a Student member?



IEEE Student Membership (cont'd)

- ▶ There are a lot of reasons to join, here are a few:
 - ▶ have the chance to **speak** with leading industry professionals on the latest technical trends and **employment opportunities**.
 - ▶ a subscription to **Spectrum** and **Potentials**, two IEEE periodicals which contain the latest news in the fields related to electrical engineering.
 - ▶ discounts on Society memberships, IEEE books and publications.
 - ▶ IEEE Personal Email Alias, e.g. john.smith@ieee.org
 - ▶ discounted ticket prices at ALL IEEE functions and events.
 - ▶ be a part of the world's largest professional organization!



Student Member Benefits

- ▶ **@IEEE for students** — a free email updating services that highlights information relevant to students:
 - ⇒ Careers
 - ⇒ IEEE Scholarships & Awards
 - ⇒ Industry News
 - ⇒ IEEE Products and Services
- ▶ **IEEE Information Advantage Program** — one-stop resource for technological innovation and professional networking
 - ⇒ **IEEE Xplore™**
 - ⇒ **IEEE Fatbrain Bookstore**
 - ⇒ **Ask*IEEE Document Delivery Service**




IEEE Spectrum

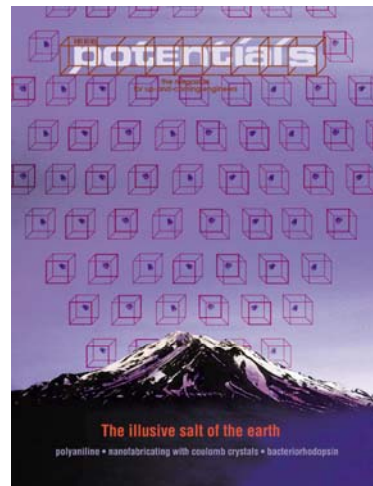


- ▶ The IEEE Spectrum is a standard subscription for all IEEE members. It is also available on-line: <http://www.spectrum.ieee.org/>
- ▶ This magazine is intended for the general audience in the field of electrical and computer engineering — easy to read for all.
- ▶ Primary focus is on the current industrial trends, R&D on leading edge technology.
- ▶ A “**must read**” publication!



IEEE Potentials

- ▶ The IEEE Potential is a bi-monthly magazine dedicated to students members.
- ▶ All articles are written in easy to understand language for college and university students.
- ▶ Primary focus is on issues related to engineering education and career.
- ▶ Available on line: <http://www.ieee.org/membership/students/potentials/>



5. IEEE Life after College



- ▶ The years immediately following student life present unique challenges.
- ▶ The IEEE GOLD (Graduate Of the Last Decade) program was developed to assist IEEE members as they make the transition from student to working engineer.
- ▶ Any IEEE member graduated from their first professional degree during the past 10 years is automatically included in this program.
- ▶ The IEEE recognizes that today's students become tomorrow's IEEE.
- ▶ Details of the GOLD program can be found at <http://www.ieee.org/gold/>



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