

PES Membership Meeting



Dr. Henry Louie
IEEE PES VP of Membership & Image

Announcements

- New Seattle Chapter Website
 - <http://sites.ieee.org/seattle-pes/>
- New Webmaster
 - Darrell Ross (Milsoft)
- New Young Professionals (GOLD) chair
 - Abdur Rehman (PSE)
- Upcoming Events

Vanadium Flow Batteries for Utility Scale Applications

- Tour of UniEnergy Technologies (UET) Facility
 - January 29th, 2014
- Sorry, all spaces have been filled
 - Possible second tour in May



NWESS



Fifth Northwest Energy Systems Symposium
April 30 – May 1, 2014

NORTHWEST POWER SYSTEMS
RELIABILITY,
OPERATION,
AUTOMATION &
RESOURCES

A collage of four images: a large brick building with a fountain in front, a worker in a yellow hard hat holding a meter, a power line tower at sunset, and a worker on a bucket near power lines.

University of Washington
Husky Union Building, Seattle, WA

The 2014 Northwest Energy System Symposium will explore emerging technologies in:

- » Renewable Energy
- » Smart Grid End-use
- » Energy Applications

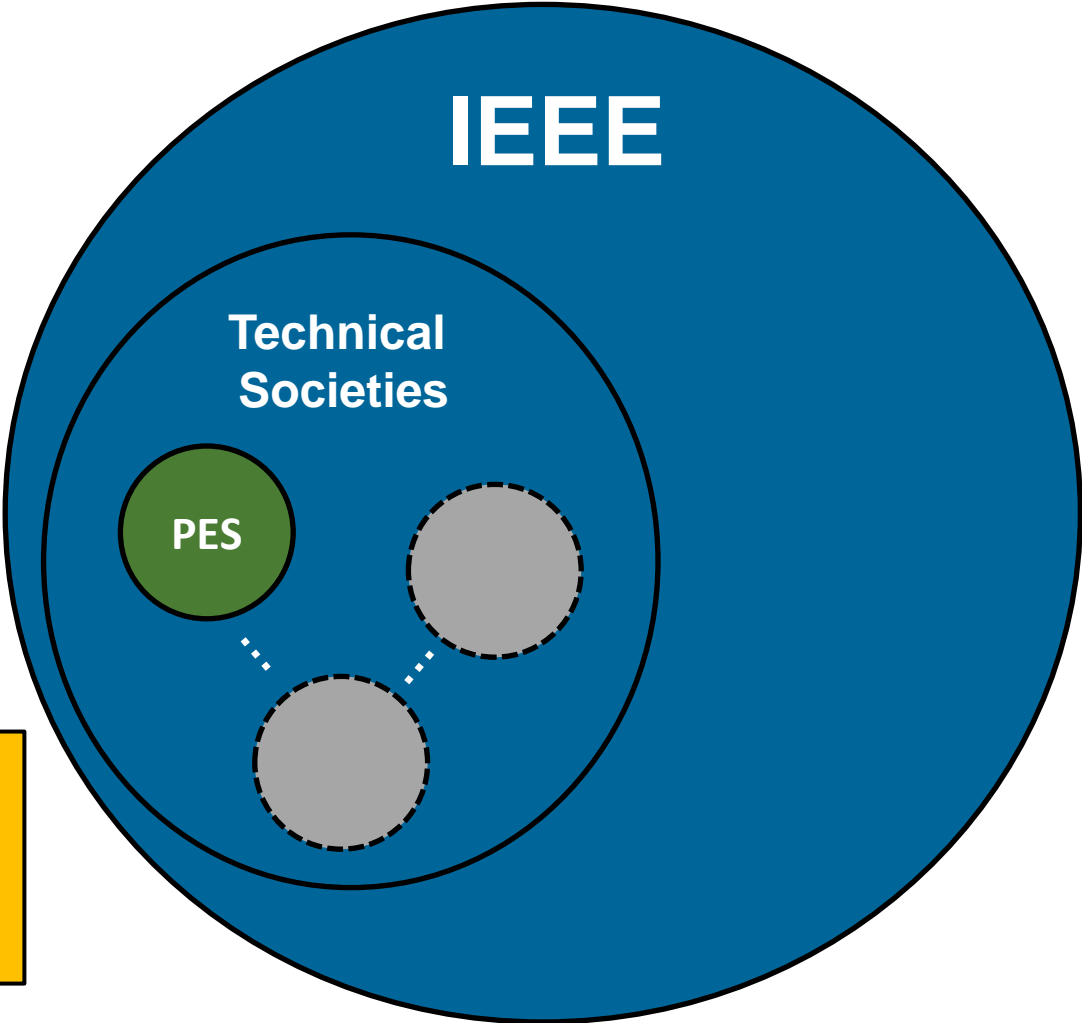
IEEE PES Mission Statement

To be the leading provider of scientific and engineering information on electric power and energy for the betterment of society and the preferred professional development source for our members



Power & Energy Society®

www.ieee-pes.org



**PES is one of
38 Technical
Societies
within IEEE**

Sister Societies



Power & Energy
Society



Industrial Applications
Society



Power Electronics
Society

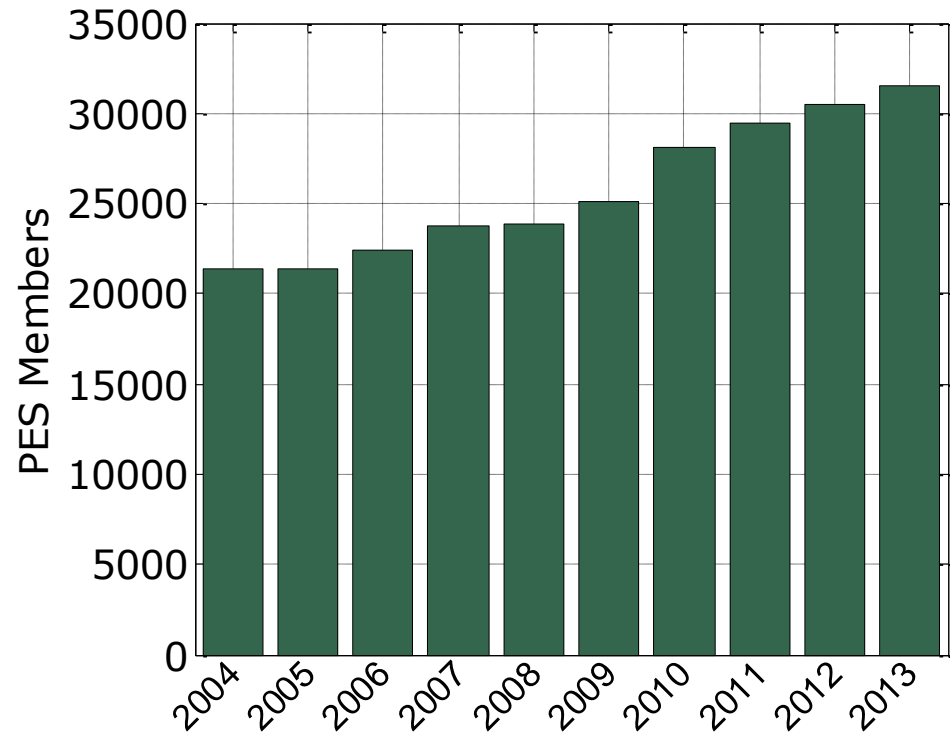


Industrial Electronics
Society

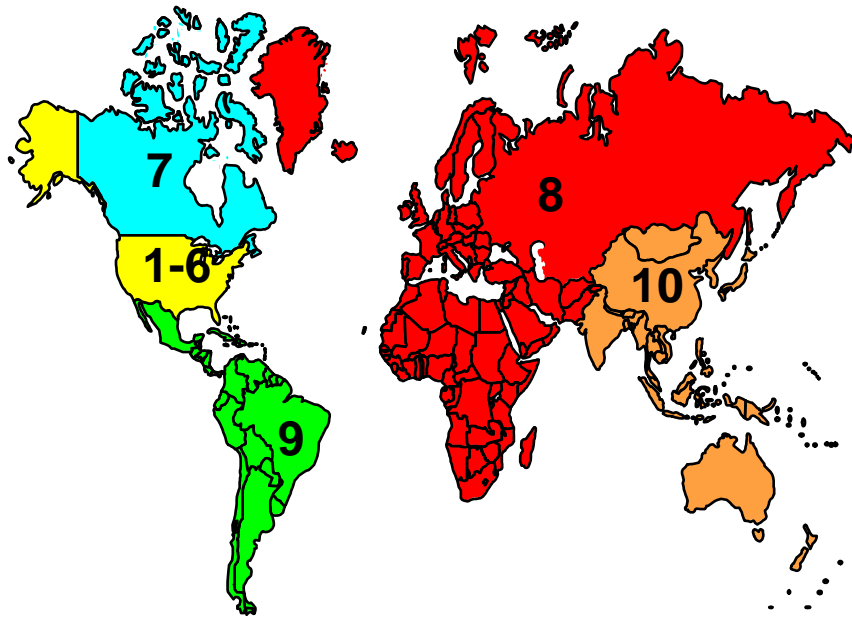
- Discount on sister society conference fees
- Discount on *Combined Power Electronics and Systems Journal*
(*Trans. on Energy Conversion, Trans. on Power Delivery, Trans. on Power Systems, Trans. on Industrial Electronics, Trans. on Industry Applications, and Trans. on Power Electronics*)

PES Membership

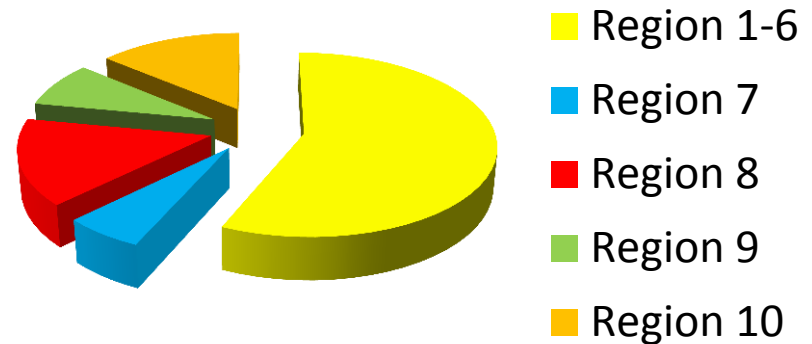
- +31,500 members
- Third largest IEEE Society
- Rapid membership growth



PES Members by IEEE Region



Members



PES Leadership (2014)



M Begovic
President



D. Novosel
President-Elect



C Root
Treasurer



**L Bertling
Tjernberg**
Secretary



N Schulz
Past-President



W Reder
Div. VII Director



P Ryan
Exec Dir

Elected Positions, 2-year terms

PES Staff
Director

PES Leadership (2014)



M. Begovic
President



J Nelson
Tech Activities



T Mayne
Meetings



P Sauer
Education



M Crow
Publications



F. Lambert
Chapters



H Louie
Membership
and Image



R Podmore
Initiatives and
Outreach

Vice Presidents (Appointed)

PES Leadership (2014)



N Schulz
President



M. Armstrong
Region 1 - 7



C Vournas
Region 8



N Segoshi
Region 9



L Goel
Region 10

Regional Representatives (Appointed)

PES Leadership (2014)



M. Begovic
President



J Giri



E Gunther



T Burse



L Ochoa

Members-At-Large (Appointed)

Membership Benefits

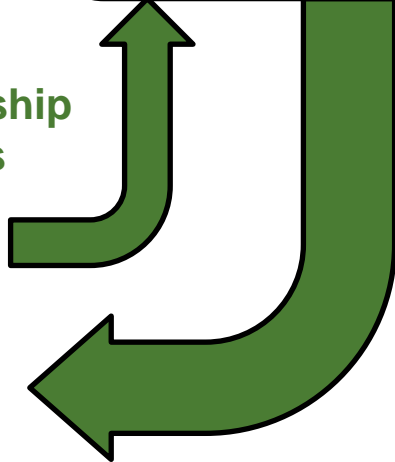


Membership Dues



IEEE PES Member

Membership Dues



Membership Benefits

*Exception: PES Affiliate Members are not receive IEEE members

IEEE Benefits

Access Literature

- Magazines
 - IEEE Potentials (targeted at university students)
 - IEEE Spectrum (hard copy or online)
- Newsletter
 - the institute
- Books
 - E-book classics (through IEEE Xplore®)
- Research Articles
 - IEEE Member Digital Library

Never Stop Learning

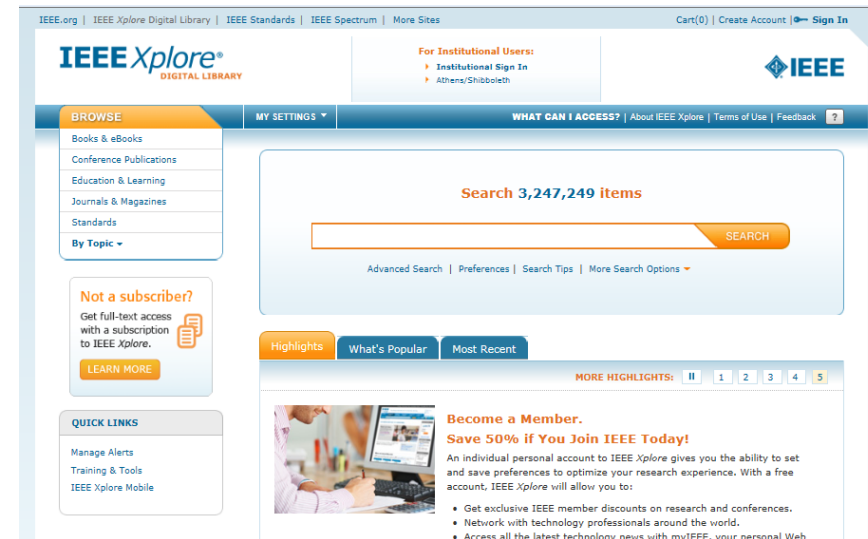
- Continuing education: discounted pricing on eLearning (<http://iee-elearning.org/>)
- Courses include
 - HVDC Transmission: Technology and Practical Aspects Part I
 - Cyber Security of Substation Control and Diagnostic Systems
 - Electric Drives: Understanding Basics
 - Hybrid Electric Vehicles: Exploring the Electronic CVT (Parts I & II)
 - Distributed Generation
 - Smart Grid 101: NIST Smart Grid Conceptual Model
 - Demand Forecasting With Multiple Regression
 - Wind Turbine Manufacturing, Assembly, Test and Maintenance Challenges
 - Many more!

Build Your Career

- Discounts at all IEEE conferences
- Career Webinars (<http://www.ieeeusa.org/careers/webinars>)
 - Networking for Introverts
 - Presenting a Positive Image
 - Copyright Basics
 - Business Organizations for Engineers
 - Stuff You Don't Learn in Engineering School
 - Many More!
- Awards and recognition

Accessing Content

- IEEE Xplore® database (<http://ieeexplore.ieee.org>)
- Journal papers, conference proceedings, e-books, eLearning modules, and more
- +3,000,000 articles



The screenshot shows the IEEE Xplore Digital Library homepage. At the top, there are navigation links for IEEE.org, IEEE Xplore Digital Library, IEEE Standards, IEEE Spectrum, and More Sites. The main header features the IEEE Xplore logo and a search bar with the text "Search 3,247,249 items". Below the search bar, there are tabs for "Highlights", "What's Popular", and "Most Recent". A prominent banner on the right side of the page reads "Become a Member. Save 50% if You Join IEEE Today!" and lists benefits such as exclusive member discounts, networking opportunities, and access to the latest technology news. The left sidebar contains a "BROWSE" menu with categories like Books & eBooks, Conference Publications, Education & Learning, Journals & Magazines, and Standards. There is also a "QUICK LINKS" section with options like Manage Alerts, Training & Tools, and IEEE Xplore Mobile.

Your organization (university, company, etc) may have a paid subscription to IEEE Xplore®. Individual subscriptions and single-item purchases are possible at a cost.

Additional Benefits

- Insurance (life, home, auto, more)
 - Popular benefit
 - Varies by region
 - See
(www.ieee.org/membership_services/membership/discounts/group_insurance.html)
- IEEE email alias (jane.member@ieee.org)

Many More IEEE Benefits

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IEEE
Advancing Technology for Humanity
The world's largest professional association for the advancement of technology

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Home > Membership & Services > Membership > Benefits

Global Benefits Finder

Membership Menu

Uncover IEEE member benefits that are most relevant to you. Use the Global Benefits finder below to select your current career phase and country, then select "Go". Your results page will render a list of key IEEE member benefits that can help you accelerate your career plans and help you grow as a technology professional.

Global Benefits Finder:

[Browse member benefits](#)

IEEE members can access information on local events and activities by logging in to [myIEEE](#), the members' personalized gateway to IEEE membership. In addition, members can also:

- access individual Society memberships and subscriptions;
- connect with local IEEE Sections and volunteer leadership;
- find upcoming conferences;
- learn more about individual benefits;
- read the latest news from IEEE, IEEE Spectrum, IEEE Standards News, and The Institute.

Resources for...

- > Authors and speakers
- > Conference organizers
- > Employers and job seekers
- > Educators
- > Librarians and institutions
- > Media and journalists
- > Students
- > Volunteers

Join IEEE or a society

As a member of IEEE, you'll receive access to select content, product discounts, and more.

- > Review all member benefits

Not ready to join but need access to online services like IEEE Shop?

- > Learn about a Web Account

Browse by
career phase
and country

www.ieee.org/membership_services/membership/benefits/

PES Benefits

PES Membership Includes

- Subscription to the award-winning Power & Energy Magazine (hard copy)
- Updates through PES eBulletin and e-News Update
- Free membership in local PES chapter
- Opportunity to impact the industry through technical activities and volunteer leadership positions
- Voting rights

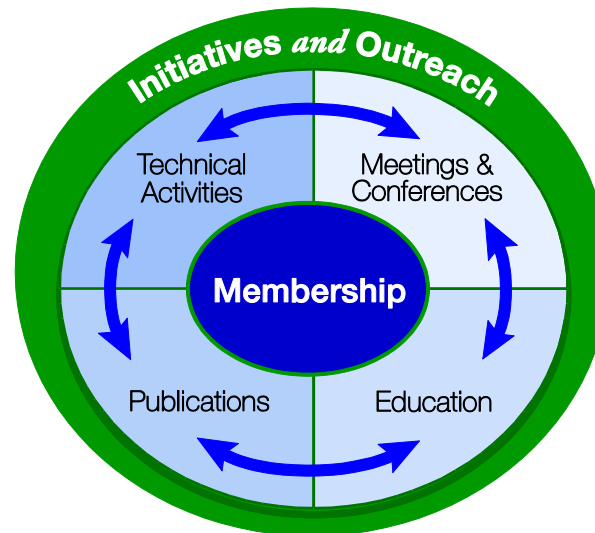


PES Membership Includes

Discounts to:

- PES sponsored or co-sponsored conferences and meetings
- Technical tutorials
- PES peer-reviewed technical journals (transactions)
- PES Digital Library
- PES Resource Center digital content and merchandise
- Sister Society conferences and *Combined Power Electronics and Systems Journal*

PES Activities



Technical Committees

- Electric Machinery
- Energy Development & Power Generation
- Insulated Conductors
- Nuclear Power Engineering
- Power System Analysis, Computing and Economics
- Power System Communications
- Power System Instrumentation and Measurements
- Power System Relaying
- Stationary Battery
- Substations
- Surge Protective Devices
- Switchgear
- Transformers
- Transmission & Distribution
- Power Engineering Education
- Power System Dynamic Performance
- Power System Operations
- Power System Planning and Implementation

www.ieee-pes.org/technical-committees/committees

Coordinating Committees

- Emerging Technologies
- Intelligent Grid
- Marine Systems
- Policy Development
- Standards
- Wind and Solar Power

Technical committees identify existing/emerging challenges and develop best practices, guidelines and standards

<http://www.ieee-pes.org/technical-activities/committees>

Standards Development

- +470 Standards and Guides
 - International Involvement
 - International Electrotechnical Commission (IEC)
 - International Standards Organization (ISO)
 - 100 related to Smart Grid
 - www.smartgrid.ieee.org

PES Publications

- IEEE Transactions on:
 - Smart Grid
 - Sustainable Energy
 - Power Systems
 - Power Delivery
 - Energy Conversion
- Power & Energy Magazine
- For more information
 - www.ieee-pes.org/publications



Digital Subscriptions

Subscription	Cost	Description	Scope
IEEE Member Digital Library	US\$39/year	Online Access to 25 articles/month	+150 IEEE journals, magazines, transactions and letters
IEEE Member Digital Library Basic	US\$15/year	Online Access to 3 articles/month	+150 IEEE journals, magazines, transactions and letters
PES Digital Library	US\$75/year	Online Access to Unlimited articles/month	IEEE Transactions: Energy Conversion, Power Delivery, Power Systems, and Conference Proceedings
Combined Power Electronics and Systems Journal	US\$75/year	Online Access to Unlimited articles/month	IEEE Transactions: Energy Conversion, Power Delivery, Power Systems, Industrial Electronics, Industry Applications, and Power Electronics

Prices shown are for PES members.

More info: <https://www.ieee.org/membership-catalog/>

Individual Titles

Title	Print	Electronic	Electronic & Print
Trans. On Power Delivery	US\$ 65/year	US\$ 25/year	US\$ 80/year
Trans. On Power Systems	US\$ 65/year	US\$ 25/year	US\$ 80/year
Trans. On Energy Conversion	US\$ 50/year	US\$ 20/year	US\$ 60/year
Trans. On Sustainable Energy	US\$ 60/year	US\$ 40/year	US\$ 80/year
Trans. On Smart Grid	US\$ 100/year	US\$ 40/year	US\$ 120/year

Prices shown are for PES members (2014).

More info: <https://www.ieee.org/membership-catalog/>

Power & Energy Magazine

- Award-winning publication
- Six print copies per year
- Electronic version:
<http://magazine.ieee-pes.org/>
- Articles written for broad audience
- Leader's Corner
 - Society updates, news and perspectives



Electrification Magazine

New!

- Microgrids on ships, planes, trains and off-grid applications
- First issue available free online
- Subscription rates
 - \$25 Electronic
 - \$33 Print
 - \$39 Electronic + Print



Member-Driven Initiatives

New!

- Funds up to US\$70,000 available to any PES member (or chapter or committee) to develop and implement a program
- Priorities
 - Fit of project to PES mission
 - Number of PES members affected
 - Benefits industry members
 - Humanitarian activity
 - PES membership recruitment and retention
 - Benefits female members and/or increasing female membership in PES
 - Benefits PES members in Regions 7-10
 - Public outreach on power engineering
- See <http://www.ieee-pes.org/pes-communities/member-initiatives> for details

Community Solutions Initiative

- Program funded by PES (and other Societies) to “use renewable energy and technology to improve lives of people in remote communities in a sustainable way.”
- Projects in
 - Haiti
 - Nigeria
 - Cameroon
 - Kenya and South Sudan
- Learn more:

www.communitysolutionsinitiative.org

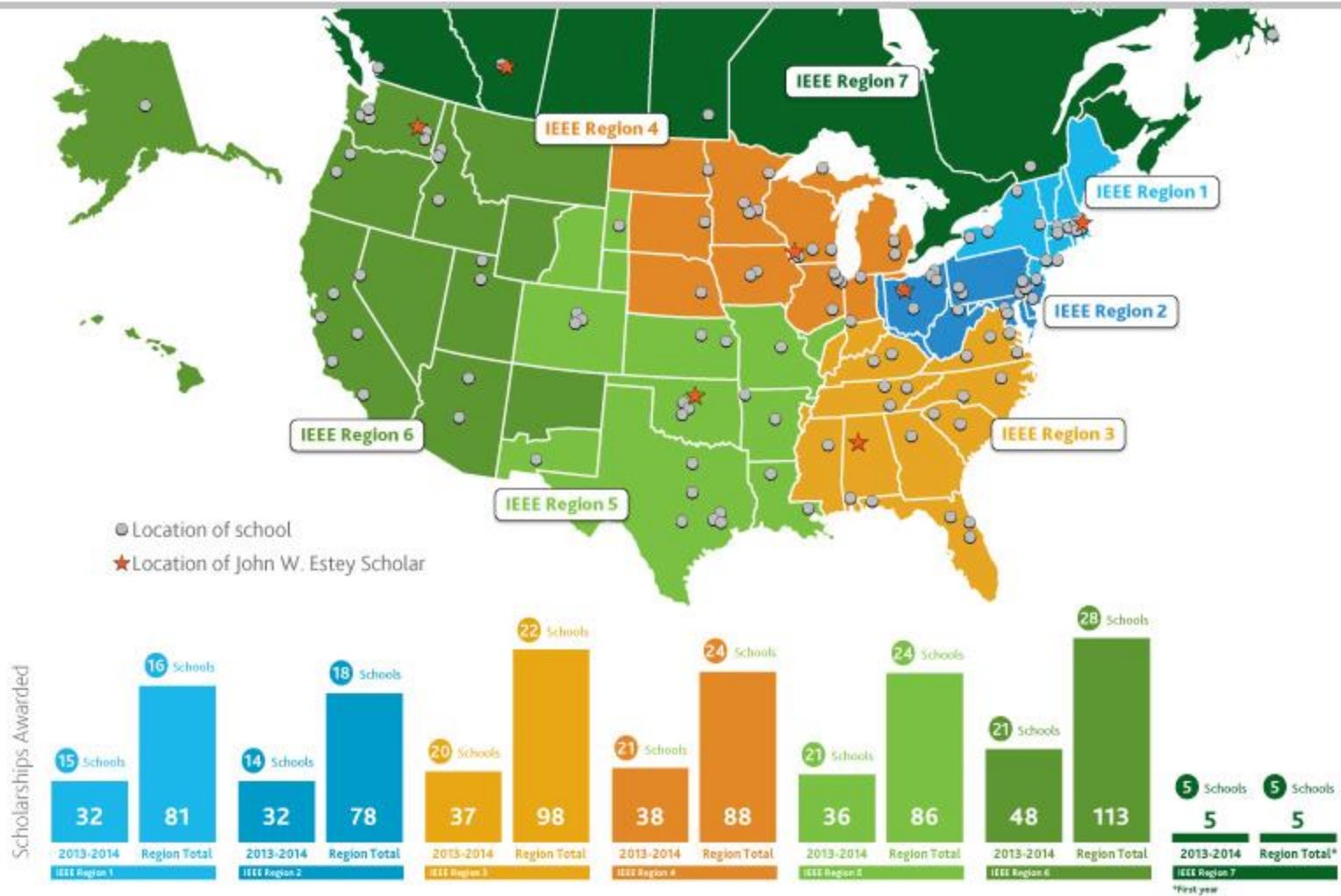


PES Scholarship Plus Initiative™

- + Receive up to \$7,000 in financial support before graduation:
 - \$2,000 1st year
 - \$2,000 2nd year
 - \$3,000 3rd year*
- + Assistance in getting up to 2 years of power engineering career experience before graduation
- + One free year of membership in the world's largest and oldest technical association - IEEE and its Power and Energy Society
- + Can participate in a mentoring program which connects students to experts

*For applicants awarded in their first year of college

PES Scholarships Awarded 2013 - 2014



Total distributed: **549 scholarships** to students at **137 schools** to date

To Support the Scholarship

- **Hire:** consider scholarship recipients (PES Scholars) for internships
- **Donate:** you or your organization can support the program (d.toland@ieee.org)
- **Promote:** let your students, co-workers, etc know about the program

www.ee-scholarship.org

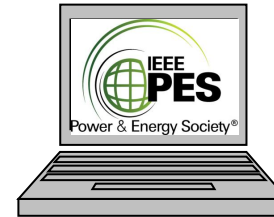
Washington State PES Scholars

- Patrick Berg, Seattle University
- Zachary Burrows, Eastern Washington University
- Erin Clement, University of Washington
- Anastasia Corman, University of Washington
- Gwendolyn Crabtree, Washington State University
- David Dearing, Washington State University
- Terra Donley, Gonzaga University
Derek Gowrylow, Seattle University
- Sanel Hirkic, Washington State University
- Nathan Hirsch, Eastern Washington University
- John Hofman, Washington State University
- Parichehr Karimi, University of Washington
- Travis Kinney, Washington State University
- Allan Koski, Eastern Washington University
- Kyle Lindgren, University of Washington,
- John Martinsen, Washington State University
- Melissa Martinsen, University of Washington
- Jonathan Nyhuis, Seattle Pacific University
Jared Pisinger, Washington State University
- Douglas Rapier, Washington State University
- Chris Rusnak, Washington State University
- Kaiwen Sun, University of Washington
- Joshua Wu, Seattle University
- Tracy Yuan, University of Washington

Keeping in Touch

Ways to Keep in Touch

eNewsUpdate



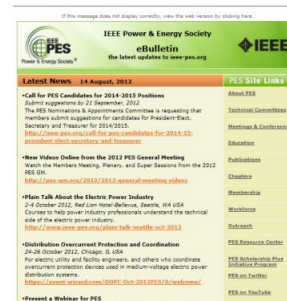
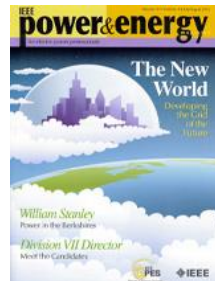
PES Website
www.ieee-pes.org

Twitter
[@IEEE_PES](https://twitter.com/IEEE_PES)



LinkedIn

Power & Energy
print, online



eBulletin
sent via email



YouTube



Facebook

E-NewsUpdate

- 10 issues per year
- Important announcements
- Regular features
 - Voice from the Governing Board
 - Noel's Notes (from Pres. Noel Schulz)
- Submissions from members welcome
 - News items, member stories, etc
 - Contact Mel Olken (molken@ieee.org)



<http://sites.ieee.org/pes-eneus/>

Conferences

- +40 PES sponsored or co-sponsored conferences annually
- Keynote, panel, paper sessions
- Networking, tours, social programs

Meetings & Conferences



Notable Conferences

- General Meeting (www.pes-gm.org)
 - Every year in July (+2,500 attendees)
- Transmission and Distribution Exposition (www.ieeet-d.org)
 - Every even-numbered year (usually April or May)
 - +13,000 attendees
- PowerTech (website varies)
 - Every odd-numbered year (usually June)
 - Located in Europe
- Complete Calendar
 - <http://www.ieee-pes.org/meetings-and-conferences>

Educational Activities

- E-Learning Modules
- Plain Talk Courses for non-engineering professionals
- Tutorials at major conferences
- Webinars
- Distinguished Lectures (through Chapters)
- For more information

PES Webinars

- **If you are a PES member and would like to present a webinar in the IEEE PES webinar series, you are welcome to submit a proposal for consideration.**
- Webinar topics should be geared to engineers. The focus of the webinar can be technical, professional development, or current issues/hot topics in the power industry.
- Submit proposals to Susan Koval at s.koval@ieee.org

IEEE and PES Membership

PES Membership Fees

- US\$35/year (All regions and countries)
- Affiliate membership: US\$103
 - PES members that are not IEEE members
- Student membership: US\$18 (All regions and countries)
 - First year of PES Membership is free!
 - (see www.ieee-pes.org/membership/students)

2014 IEEE Membership Fees

Residence	Member Full Year	Student Full Year
United States	US\$187.00	US\$32.00
Canada (incl. GST)	US\$168.10	US\$33.60
Canada (incl. HST for NB, NF and ON)	US\$179.46	US\$36.16
Canada (incl. HST for Nova Scotia)	US\$182.30	US\$36.80
Canada (incl. HST for BC)	US\$180.88	US\$36.48
Africa, Europe, Middle East	US\$155.00	US\$27.00
Developing Nations e-Membership	US\$65.00	n/a
Latin America	US\$146.00	US\$27.00
Developing Nations e-Membership	US\$56.00	n/a
Asia, Pacific	US\$147.00	US\$27.00
Developing Nations e-Membership	US\$57.00	n/a

www.ieee.org/membership_services/membership/join/join_dues.html

Membership Cycles

Join Date	Membership Dues	Membership Expires
1 Jan. to 1 Mar.	Full Price	31 Dec. this year
2 Mar. to 15 Aug.	1/2 Price	31 Dec. this year
15 Aug. to 31 Dec.	Full Price	31 Dec. Next year

IEEE e-Membership

- Discounted IEEE membership for GDP limited countries
 - Qualifying country list:
www.ieee.org/membership_services/membership/join/member_countries.html
- Electronic delivery of IEEE magazines, otherwise same benefits as traditional membership
- Membership Dues between US\$54/year and US\$63/year

Opportunities for Students

- Student branch chapters at university
 - Only need six students to create
 - Contact: Frank Lambert (flambert@ieee.org)
- Student support (housing) for several meetings, including General Meeting
- Student poster and paper competition
- Free membership in PES for first year
 - www.ieee-pes.org/membership/students

Young Professionals

- Formerly GOLD (Graduates Of Last Decade)
- Focus on new engineers (less than 10 years after university)
- Free, automatic membership if qualified
- Events at conferences
- PES GOLD Coordinator: Aaron St. Leger
(Aaron.St.Leger@usma.edu)

Women in Power

- Focus on promoting and supporting women membership in PES
- Events at conferences
- PES WiE Coordinator: Shay Bahramirad
(Shay.Bahramirad@comed.com)

PES AWARDS

- Some awards not given due to lack of nominees
- Take the time to nominate deserving individuals
- PES & IEEE Awards
- <http://www.ieee-pes.org/pes-communities/awards>

Learn More

www.ieee-pes.org

<http://www.ieee-pes.org/about-pes>

www.ieee.org

 @ieee_pes

Our Members

PES members are actively shaping the power and energy industry around the globe. We are engineers, executives, policy makers, academics and students. Our members research and develop new technologies; plan and operate electricity grids; manufacture and construct generators, transmission lines, substations and energy storage devices.

Through PES our members stay-up-to-date on the latest advances including: renewable energy system design and integration, smart grid technologies, electric vehicles, wholesale market design and operation and asset management.

PES helps our members become successful through our:

- Technical Committees
- Standards Development
- Local Chapters
- Meetings and Conferences
- Educational Opportunities
- Publications

Be a part of the more than 30,000 members that have discovered what PES can do for their career.

JOIN US TODAY!

Visit www.ieee-pes.org to become a member.

Member Benefits

Your PES Membership gives you:

- Free subscription to PES's award-winning *Power & Energy* magazine
- Free membership in your local PES chapter
- Discounts at dozens of PES sponsored or co-sponsored conferences and meetings in your area and around the world
- Discounts to technical tutorials
- Discounted subscription rate to five PES and three Sister Society peer-reviewed technical journals
- Discounted subscription rate to our Digital Library
- The latest Society news through our eBulletin and eNews Update
- Opportunity to impact the industry through volunteer leadership positions



Our Mission

To be the leading provider of scientific and engineering information on electric power and energy for the betterment of society and the preferred professional development source for our members.



ENERGIZE YOUR CAREER

Become a member of the IEEE Power & Energy Society, and see how your membership can be an exceptional, cost-effective way for you and your employer to acquire the latest information about all aspects of the fast-changing electric power and energy industry.

