IEEE Power & Energy Society
SCHOLARSHIP PLUS INITIATIVE™
Preparing the Next Generation of Power & Energy Engineers

IEEE Foundation
Addresses the impending critical shortage of qualified power engineers

Offers Scholarships and Career experience to undergraduate students to attract top talent to the power & energy field

Undergraduate students can receive up to US$7,000 in financial support and assistance in obtaining a career experience prior to graduation

- An additional US$5,000 is awarded to the top performing student in each Region
- Application Period – March to June 30th
549 scholarships distributed

380 individuals attending 136 universities have been recognized

Over $1.1M has been distributed in scholarships

$5.2M has been contributed through industry, individual and IEEE Power & Society donations

Over 160 organizations have hired a PES Scholar recipient as part of their internship/career experience program or for a full time position!
Proven Success

- Systems and processes
- Award winners and their testimonies
- Increased number of applicants
- Regional Committee support
- Career experiences
- Program awareness and recognition
- Significant fund raising
- Increasing Power Engineering enrollment at universities

“The IEEE PES membership has given me a lot of perspective on what I can do with my own career.”
- PES Scholar - Emmeline Zhu, Junior at University of Maryland who interned at the Army Research Lab
Students:

– Up to US$7,000 in financial support
– Assistance securing real world experience
– Access to mentors and industry professionals
– One free year of membership in IEEE and its Power & Energy Society

Industry:

– Provide access to qualified and energized young engineers
– Receive direct benefits through involvement in internship and career experience programs
– Gain recognition as an industry leader supporting power and energy engineering scholars
PES Scholarships Awarded 2013 - 2014

Distributed 549 scholarships to students at 136 universities since 2011
IEEE PES Chapters are encouraged to support the initiative. Some chapters have already contributed:

- Boston ($25,000), Seattle ($5,000) & Phoenix ($1,000)
- Contributions for PES Chapters in Canada – can be provided to the IEEE Canadian Foundation

Benefits:

- Make a difference - provide an immediate impact within your geographic area – funds will be used for scholarships in 2014
- Support IEEE’s core purpose to foster technological innovation and excellence for the benefit of humanity
- Strengthen the relevancy of IEEE to industry
Program is dependent on financial support from companies and individuals

Sponsorship levels ranging from $500 to $1M with a variety of benefits provided

Funding can be allocated to support EE students within a particular Region (i.e. Boston Chapter funds are used for Region 1 scholarships)

We need help in encouraging companies to support the program by contributing to the program

We need assistance in identifying major companies & key decision-makers who are capable of providing major financial support

- Help ‘open the door’ for personal visitations to prospects
- Provide this information to Natalie Krauser McCarthy
Promote the program at all Chapter events
   – Material can provided for distribution

Hire a PES Scholar – Internship or Full time position
   – Encourage companies and individuals to use PES-Careers site (www.pes-careers.org)

Serve as PES mentor – provide advice to high performing students in the power field
   – Sign up to be a Mentor – (pes-mentoring@ieee.org)

Volunteer to Serve on Regional Review Committees

Volunteer to promote/discuss the program
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<th>Level</th>
<th>Supporters</th>
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<tr>
<td>Presidential</td>
<td>S&amp;C, SEL</td>
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<td>Platinum</td>
<td>G&amp;W</td>
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<td>Gold</td>
<td>doble, The Grainger Foundation</td>
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<td>Silver</td>
<td>ALSTOM</td>
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PES VP - Education Pete Sauer

PES Scholarship Plus Committee Pete Sauer/ Wanda Reder

Website & Marketing Henry Louie
Regional Committees (7)
Power & Energy Engineering Collaborative
Career Experiences Dennis Ray
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<tr>
<th>Region</th>
<th>Chair</th>
<th>Company/Institution</th>
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<tr>
<td>1</td>
<td>Bryan Gwynn</td>
<td>Quanta Technology</td>
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<td>2</td>
<td>Jeff Fleeman</td>
<td>American Electric Power</td>
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<td>3</td>
<td>Frank Lambert</td>
<td>Georgia Tech/ NEETRAC</td>
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<td>Wes Spencer</td>
<td>Power Engineers</td>
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<td>Jason Hoskins</td>
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<td>5</td>
<td>Dave Lankutis</td>
<td>Power Engineers</td>
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<td>Alstom</td>
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<td>6</td>
<td>Bob Stephens</td>
<td>Pacific Northwest National Labs</td>
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<td>Bonneville Power Administration</td>
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<td>7</td>
<td>Kip Morison</td>
<td>BC Hydro</td>
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All Committees have between 10-15 participants from industry & academic sectors
You may also e-mail any questions to Dan Toland (d.toland@ieee.org) or Natalie Krauser McCarthy (n.krauser-mccarthy@ieee.org)
PES Scholars
• For one, it has eased the financial burden of attending a highly ranked engineering university. Additionally, it has reinforced the notion that pursuing a career in power engineering is attainable.

• Knowing there are options after attaining an engineering degree inspires the hope which fuels the late night study sessions, the struggle to juggle all aspects of an incredibly busy life, and the general motivation to push through the difficult days.

• Being named a PES Scholar means that a group of individuals believe that I have the potential to become a leader in the electrical engineering world, which gives me confidence in my abilities as I enter the working world upon graduation.

• Power engineering is a field with exponentially growing opportunities. Being part of the PES Scholar program has allowed me to integrate myself to this field and have a great sense of pride. The support from IEEE PES provides the momentum to achieve anything in this field. I highly recommend this scholarly program to all power engineering students.

• The absolute best part about receiving the PES Scholarship for me is the access to the PES Careers resource. I have found many exciting opportunities using this resource that would have otherwise gone unnoticed. I currently have multiple job offers at various companies in the power sector, most of which are a direct result of the PES Scholarship.
The 2013-2014 PES Scholars are from 128 universities across the United States & Canada. The following schools have 5 or more PES Scholars:

1. Drexel University & Washington State University (9)
2. Worcester Polytechnic Institute (8)
3. State University of New York at Buffalo & University of Washington (7)
4. Arizona State University (5)
5. Clemson University (5)
6. Ohio State University (5)
7. South Dakota School of Mines and Technology (5)
8. Texas A&M University (5)
A free IEEE PES online resource that connects power engineering students seeking career experiences with industry

- Over 1,000 Undergraduate/Graduate Students with a PES Career profile

All PES Scholars are required to have a career experience in order to meet renewal criteria

Over 160 companies provided a PES Scholar with a career experience
Offers a person the chance to give back to the next generation of leaders in the power and energy industry.

We are actively seeking successful leaders in the field—both men and women—to serve as mentors to one or more of the PES Scholars.

The exact nature, duration and frequency of the mentoring can be specified by the mentor.

Mentors can communicate directly with PES Scholars via email, telephone or in-person.

If you are interested in serving as a PES Mentor, please contact: pes-scholarship-info@ieee.org