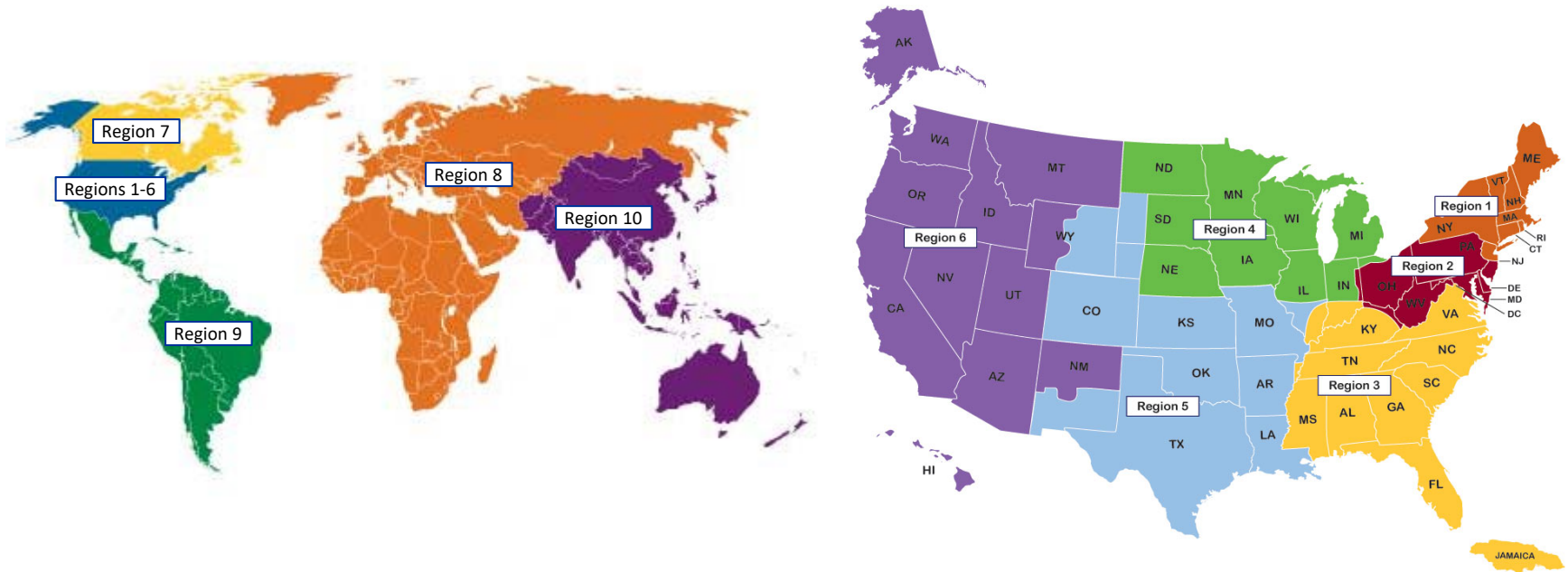


IEEE Region 3 Branch Counselors Meeting SoutheastCon 2016



Introductions

Region 3 Student Activities Chair

J. Patrick (Pat) Donohoe, Ph.D., P.E.

Professor and Paul B. Jacob Chair

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Introductions

- Name
- Student Branch
- How many students did your branch bring to SoutheastCon 2016 in Norfolk?



Region 3 Student Activities Committee

Pat Donohoe (R3 Student Activities Chair)

Rachel Wilson (R3 Student Activities Vice-Chair)

Oceane Boulais (R3 Student Representative)

Victor Basantes (R3 SPAX Chair)

Regina Hannemann (Past R3 Student Activities Chair)

IEEE SoutheastCon 2016 Events - Student Program

- **Student Branch Officers Meeting***
- **Branch Counselor Meeting***
- Hardware Competition
- **Student Paper Competition***
- Software Competition
- Ethics Competition
- Student Branch Website Competition
- Student Branch T-Shirt Competition
- Project Management Workshop (Senior Design projects)
- Humanoid Robot Up Close and Personal
- Region 3 Awards Banquet

** Student branch travel reimbursement per diems based on participation in these events*

IEEE Region 3 Student Branch Travel Policy

Mileage:

Each student branch will be reimbursed for the roundtrip mileage of one (1) vehicle at the mileage rate authorized by the IEEE Controller (\$0.54/mile).

Per Diem (food/lodging/incidentals):

- (a.) Branch Chair at \$40/day, 2.5 days maximum, contingent on attendance at the Student Branch Officers meeting
- (b.) Branch Counselor at \$40/day, 2.5 days maximum, contingent on attendance at the Branch Counselors meeting
- (c.) Student Paper participant (one per branch) at \$40/day, 2.5 days maximum.

Online Student Branch Travel Expense Reimbursement Form

<http://goo.gl/forms/g5wlNKAMr4>

- Online form link is provided on the IEEE Region 3 Students Facebook page <https://www.facebook.com/IEEEStudentsRegion3>
- Link will be e-mailed to all participants of the Student Branch Leadership Training meeting and the Branch Counselor Training meeting.
- E-mail RSAC if you do not receive the online form link.

Online Student Branch Travel Expense Reimbursement Form

What information is needed to fill out the online travel expense form?

- Branch/School Name
- IEEE Student Branch Code
- Contact name/e-mail/phone
- Make reimbursement payable to: (must be IEEE student branch)
- Mail reimbursement check to: (complete mailing address)
- Student Branch Counselor per diem
 - (number of days, name of participant, IEEE number)
- Student Branch Chair per diem
 - (number of days, name of participant, IEEE number)
- Student Branch Counselor per diem
 - (number of days, name of participant, IEEE number)
- Mileage (total roundtrip mileage from student branch to Norfolk, VA)

Student Branch Reporting Requirements

Only two reports are required by IEEE each year (both are submitted online)

Student Branch Officer Reporting (<https://officers.vtools.ieee.org/>)

- Submitted in a timely fashion after officer elections.
- Includes reporting of Branch Counselor.
- Must be submitted each year or offices will be listed as vacant at IEEE.

Student Branch Activity Report (<https://sbr.vtools.ieee.org/>)

- Due 1 May each year or two months after the academic year ends.
- Report of Branch activities for past year.
- Submission of the Student Branch Activity Report qualifies the branch for a rebate of \$2.00 per Branch member.
- Student Branches will receive a combined payment of the Student Branch rebate/allotment. The allotment is \$50 for Branches with 49 or fewer members or \$100 for Student Branches with 50 or more members (based on membership statistics as of 31 December).

Student Branch Leadership Training Workshops

- The purpose of the workshops is to provide student branch leaders with the tools necessary to develop and implement a successful branch plan for the upcoming school year.
- One-day workshops (10:00am-4:00pm) are held on a Saturday in the fall (lunch/snacks provided, \$20 per person).
- Ideally is hosted by a Student Branch (or Branches) in conjunction with a Section.
- Workshops are highly interactive (multiple Student Branches sharing ideas and best practices).
- Workshop leaders work one-on-one with Student Branches to form the branch plan.
- Travel reimbursement - \$0.50/mile past the first 100 roundtrip miles (maximum reimbursement = \$75).

Student Branch Website - Content

- Convey information in a manner useful to the reader
- IEEE should be the focus of the website
- Include current contact information
- Past, current and future activities
- Info on how to join IEEE
- Must include the IEEE Master Brand on the homepage, and should link to www.ieee.org
- IEEE Brand Identity Toolkit
<http://www.ieee.org/about/toolkit/index.html>
- Include useful links to other IEEE units (e.g., your Section)
- Audience most likely includes students (prospective members), alumni, faculty, employers, etc.

Student Branch Website - Design

Guidelines from the IEEE Student Branch Website Contest:

- **Solid Content** (as previously discussed)
- **Presentation** - how well is the content conveyed to the user, backgrounds enhance readability, multimedia loads as options.
- **Navigation** – all links up-to-date and working, logical structure
- **Originality** – in the content itself, and how the content is presented.
- **Portable** – website should be portable across different browsers

Facebook Communication

<https://www.facebook.com/IEEEStudentsRegion3>



 **IEEE**
*Advancing Technology
for Humanity*

IEEE Region 3 Students
Non-Profit Organization

Create Call-to-Action Share

Timeline About Photos Likes More ▾

PEOPLE >

514 likes

 Status  Photo / Video  Offer, Event +

 What have you been up to?

IEEE XTREME

PROGRAMMING COMPETITION

- IEEE Xtreme is a global challenge in which teams of IEEE Student members, supported by an IEEE Student Branch, advised and proctored by an IEEE member, compete in a 24-hour time span against each other to solve a set of programming problems.
- Teams of up to 3 students (at most two graduate students)
- Schools can have multiple teams.
- Each team must have a proctor during the entire 24-hour period (can be multiple persons).
- Each proctor can oversee up to 8 teams.

Student Branch Resources – Branch Operations

- Design a varied and interesting schedule of events to engage current student members and recruit new student members.

General information for IEEE Student Members

<http://www.ieee.org/students>

(Benefits of membership, news and resources, student branch information, etc.)

Branch Leader News

http://www.ieee.org/membership_services/membership/students/leaders.html

(Leadership training info, SAMIEEE, contacts, etc.)

Student Awards and Other Opportunities

http://www.ieee.org/membership_services/membership/students/awards/index.html

(Student awards and competitions, scholarships, grants, fellowships, etc.)

Student Branch Resources – Branch Operations

IEEE Region 3 Website

<http://www.ewh.ieee.org/reg/3/>

(Region 3 EXCOM contacts; Region 3 Conferences and Events; Region 3 Sections, Councils, and Student Branches; Region 3 Newsletters; Region 3 Services; Other Region-specific student information)

- Awards Information (Larry K. Wilson Award, Outstanding Branch Counselor Award, IEEE Regional Exemplary Student Branch Award)
- Student Conference Manual
- Student Branch Training Manual
- Region 3 Student Branch Travel Policy
- Student Professional Awareness (SPAx) information and resources

Student Branch Administration

- Student Branch Officers
 - Chair
 - Vice-Chair
 - Secretary
 - Treasurer
- Branch Counselor
- Branch Mentor
- Other Student Volunteers
(Committees - Program, Membership,
Publicity, Finance, other)

Student Branch Counselor

- Faculty member, active in the IEEE, who serves as an advisor to the Branch and its Officers.
- Appointed by the local Section Chair, upon the recommendation of the Student members.
- Normal term of appointment (or re-appointment) is two years.
- Provides a sense of continuity to the Branch.
- Informs other faculty members of Branch activities.
- Promotes student awareness of awards, contests and membership benefits.
- Helps the Branch establish Industrial contacts and works closely with the Branch Officers and the Branch Mentor.

Branch Mentor

- Designed to maximize the interaction between the Student Branch and the local Section.
- Branch Mentor must be from Industry.
- Appointed by the local Section Chair, in consultation with the Branch.
- A recent graduate with firsthand experience in Student Branch operations is an ideal candidate.
- Meets regularly with the Branch members and the Branch Counselor.
- Assists the Branch to develop effective programs.
- Provides a bridge between the Branch and the local Section.
- Position is optional but can help Branches stay connected.

Discussion / Questions



IEEE Power & Energy Society
SCHOLARSHIP PLUS INITIATIVE®

Preparing the Next Generation of Power & Energy Engineers

IEEE Power & Energy Society IEEE PES Scholarship Plus Initiative

Dan Toland

IEEE PES Scholarship Plus Director

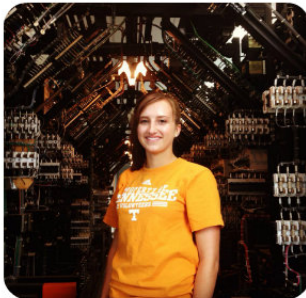
d.toland@ieee.org

Region 3 Student Branch Officers Meeting



Agenda

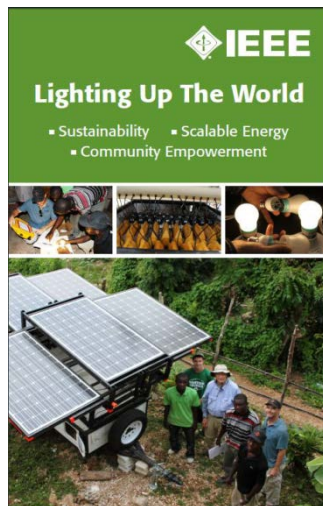
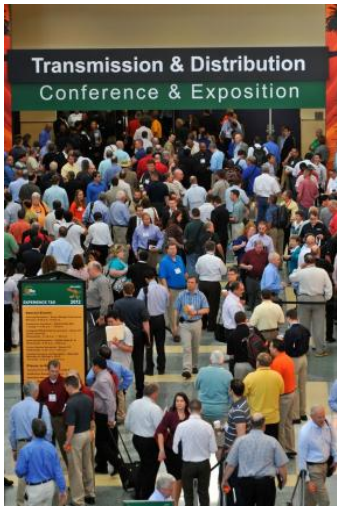
- IEEE Power & Energy Society
- IEEE PES Student Branch Chapters
- IEEE PES Scholarship Plus Initiative



IEEE PES Mission

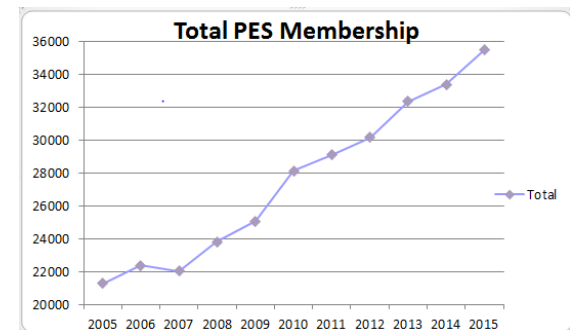
To be the leading provider of scientific and engineering information on electric power and energy for the betterment of society, and the preferred professional development source for our members.

~ Approved by the IEEE PES GB



PES Membership

- All-time record of 35,500 (Dec 2015)
 - 50% in the US
 - Membership growth in regions 8 and 10 has great potential
- 40 new Chapters since 2010
 - 9 in Region 8 (Africa, Europe, Middle East) and membership growth of 22%
 - 14 in Region 10 (Asia Pacific) and membership growth of 34%
- Growth of student chapters has exceeded the growth of regular chapters



Overall Goals and Priorities

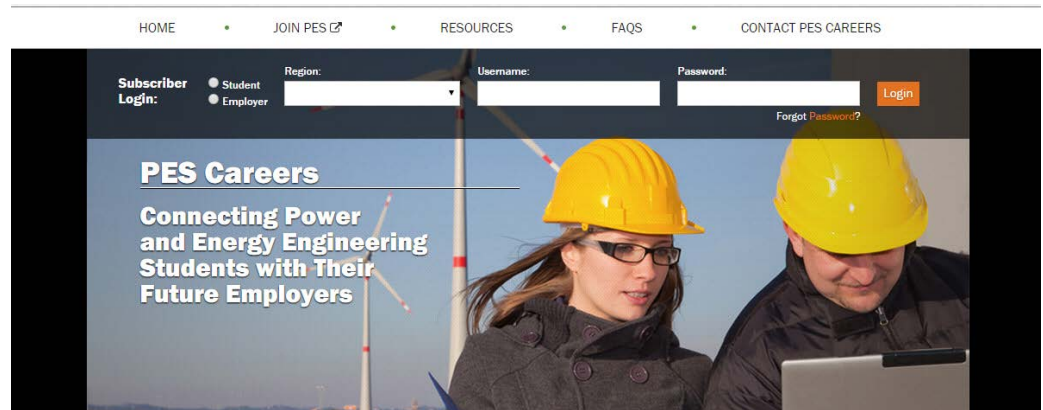
- Strengthen industry members' involvement by increasing and communicating benefits of active participation
- Improve international involvement and leadership, including awareness, technical participation, and use of global meetings and chapter activities to foster cooperation
- Providing objective technical leadership, globally, by supporting major industry initiatives that lead to developing the key regulatory policies
 - Respond to changing industry needs
 - Standard development, including “fast track” approach to selected standards with Standards Association
 - Cooperation with U.S. DOE and other government agencies worldwide

Benefits of IEEE PES Participation

- Learning new skills and technologies and gain information and insight from others through conferences, committee participation, webinars, etc.
 - Cost-effective workforce training, e.g. through attending tutorials, e-learning
 - Accelerating identification of best practices world-wide for process improvements
- Drive and understand standards and key technical issues:
 - Enhance and protect current and future investments, shape industry practices, gain a voice at the technology table, and influence new developments
 - PES has ~10% of IEEE membership but publish nearly 50% of all IEEE Standards
- PES publications are gold standard for disseminating quality research, groundbreaking ideas, and best practices
- Enabling participants to build a network of professional colleagues for fast access, advice, and problem-solving
- Gain and enhance mentoring, management, and speaking skills

PES Careers

- PES Careers is an online resource - www.pes-careers.org - that connects students seeking industry career experiences for up to one year after graduation
 - US & Canada, Europe & Middle East, Australia
- Free for students & employers - 2,200 students & 340 employers registered
- Encourage students to visit the site & create an account
 - Post a resume
 - Search for employers



IEEE PES Resource Center

Provides both members and non-members with access to hundreds of technical reports, videos, tutorials, and presentations, slides and reports from PES conferences and events.

Available FREE as a benefit for PES members or at a nominal cost for non-members.

<http://resourcecenter.ieee-pes.org/>



PES Student Membership

Want Something for Free?

How about PES Student Membership – Free for One Year?

Why become a PES Student Member?

- To enjoy a **free** subscription to the PES award-winning Power & Energy magazine
- To gain **free** access to the PES Resource Center with hundreds of technical reports, tutorials, videos and presentations
- To receive **free** membership in your local PES Chapter
- To receive **discounts** at dozens of PES Sponsored or Co-Sponsored conferences and meetings in your area and around the world
- To take advantage of **discounts** on technical tutorials
- To utilize PES-Careers which is a **free** service designed to specifically help undergraduate and graduate engineering students connect with employers in the power & energy industry

This offer is only valid for individuals who have never been a PES Member before. Offer expires August 15, 2016.

<http://www.ieee-pes.org/pes-communities/students>

PES Student Chapters

- Currently there are 185 PES Student Chapters
- PES Student Branch Chapters in Region 3
 1. Auburn University
 2. Clemson University
 3. Florida International University
 4. Georgia Tech
 5. North Carolina State University
 6. University of South Carolina
 7. University of South Florida
 8. University of Tennessee – Knoxville



**2nd IEEE PES
STUDENT
CONGRESS**

Kuala Lumpur MALAYSIA
August 15-17, 2016

Funding Available to attend
<http://2ndpesstudentcongress.ieeemy.org/>

Benefits for PES Student Branch Chapter!

1. Startup Funds:

- Each new PES Student Chapter receives US\$200 of start up funds.

2. High Performing Student Branch Chapter Program (HPSBCP)

- All IEEE PES Student Chapters are eligible to participate every year and receive funds from US\$200 to \$500
- Outstanding student branch can receive up to US\$1,000

<http://www.ieee-pes.org/pes-communities/students>

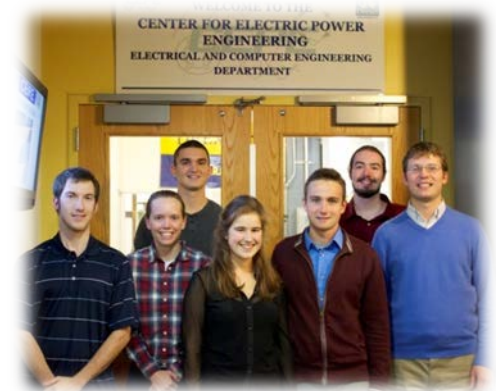
IEEE PES Scholarship Plus Initiative

- Helps address the crucial challenge facing the field of power and energy – shortage of power engineers
- Awards scholarships (up to \$7,000 over three years) to undergraduate electrical engineering students to attract top talent to the power and energy field
- Connects scholars to companies seeking highly qualified interns and co-op students giving them vital career experience prior to graduation



Program Success

- 942 scholarships awarded to 587 individuals attending 166 universities across the USA, Canada & Puerto Rico
- The number of undergraduates going into power engineering careers has about doubled over the last ten years (PES PEEC 2015 Survey)
- \$2.0M awarded in scholarships
- 160+ companies hired a PES Scholar as an intern, co-op or FT



Recipients

- Receive up to US\$7,000 in financial support before graduation:
 - US\$2,000 1st/2nd year
 - US\$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 industry professionals



Scholarship Requirements

- Applicants must:
 - Consider a career in electric power and energy engineering
 - Be working toward an electrical engineering bachelor's degree
 - Be a full-time student in the coming academic year at a university or college in the U.S. or Canada that offers undergraduate courses in power engineering*
 - Willing to take at least three of the power engineering courses for a total of nine or more credits
 - U.S. or Canadian citizen or permanent resident and reside in IEEE Regions 1 through 7
 - Currently enrolled full-time at an ABET-accredited university/college or community college
 - Current GPA is 3.0 or higher on a 4.0 scale (or equivalent)

PES Scholars – Region 3

- 161 scholarships have been distributed to 99 students at 25 schools across Region 3.
 - North Carolina State University—17
 - University of Kentucky—17
 - Clemson University—12
 - Georgia Institute of Technology—11
 - Mississippi State University—11
 - University of North Carolina, Charlotte—10
 - University of Tennessee, Chattanooga—9
 - University of Florida—8
 - University of Tennessee, Knoxville—8



PES Scholars – Region 3

Additional Schools with recipients:

- Auburn University; Clemson University; Embry Riddle Aeronautical University Daytona Beach; Florida Atlantic University; Florida International University; Old Dominion University; Tennessee Technological University; University of Alabama; University of Central Florida; University of South Alabama; University of South Carolina; University of South Florida; University of Virginia; University of West Florida; Virginia Commonwealth University; Virginia Polytechnic Institute and State University; Western Kentucky University.

**Promote the scholarship – encourage students to apply today
before it is too late!**

Visit www.ee-scholarship.org to review the eligibility

IEEE★**USA** SPAX

iee.org/spax

Victor Basantes

SPAC Support Coordinator
victor.basantes@iee.org

Recall SPAC

Student Professional Awareness Conference

...student-organized conference involving professional development topics.

What is SPAX ?

a Student Professional Awareness Experience

...that fosters professional growth and development through engaging activities and discussions exploring one or more key areas.

Professional Awareness Topics

There are 8 categories that you can choose from:



Career Development

Growing in areas outside of the technical sphere.



Leadership in Professional Organizations

Becoming a leader improves your professional net worth and profile.



Professional Integrity

Ethics and engineering are fundamentally intertwined.



Humanitarian Grand Challenges

Engineers play a major role in advancing technology for the benefit of humanity.



Engineers and Public Policy

Decision-makers are frequently looking to engineers for advice to improve public policies.



The Practice of Innovation

The process of putting original ideas into practice.



Personal Skills

Life skills outside the realm of engineering.



The Art of Communication

In a world of short attention spans, it is crucial to create and communicate a message that sticks.

Examples from other chapters



X is the variable.

You decide. What do you want to do?



SPAconference

Talk, Panels, Networking with Industry Professionals.



SPAventure (Startup Week)

Go on tours of local startups or companies.



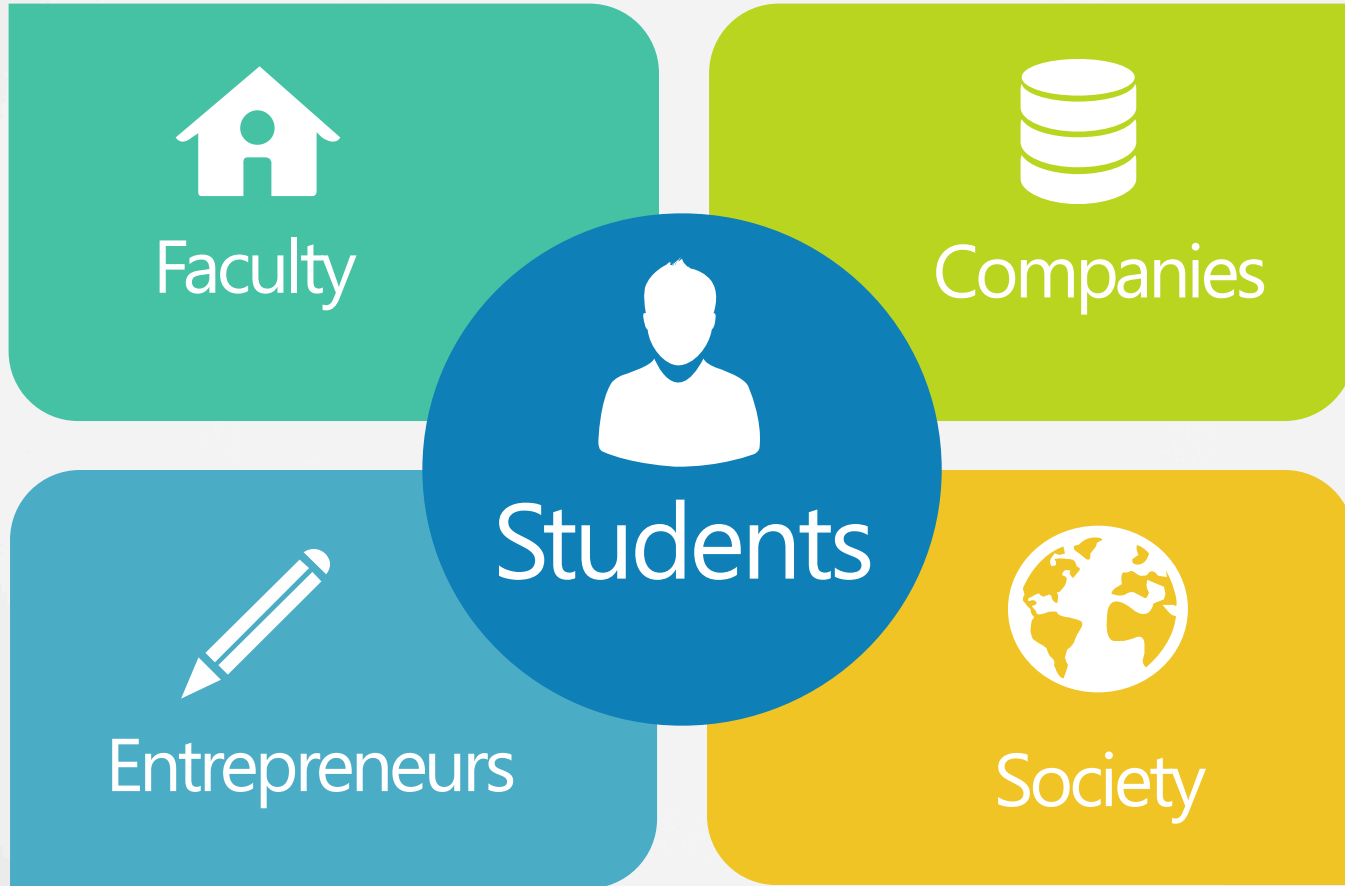
SPAweek

Multiday Speakers and Projects.
Maybe a Scavenger Hunt?

X = ?????????????????????????????????

Who can YOU impact?

You can impact a whole lot of people.



What's In It For Me?



Leadership Skills

Build those career life skills.



Job Potential Increases

You may find your future employer.



Great Connections

Meet friends that last forever.



Resume Builder

Create an incredibly valuable interview.

Getting Started

How does this work? The world is your oyster.

What experience do you want to create?

Have fun!

And tell us how you did :)

Work with your SPAX Coordinator

They will e-mail you after your initial request

Go to the Website

Let us know what you want to do

1

2

3

4

5

Reach out for Speakers or Funding

Up to 2 National Speakers FREE

-OR-

Up to \$200 (matching) per event

Fill in Google Docs Events Planning Worksheet

Design your experience, Set the Date, and Define your program

How do I get involved?

ieee.org/spax



Questions?

Victor Basantes

Region 3 Support Coordinator

IEEE-USA SPAC

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