



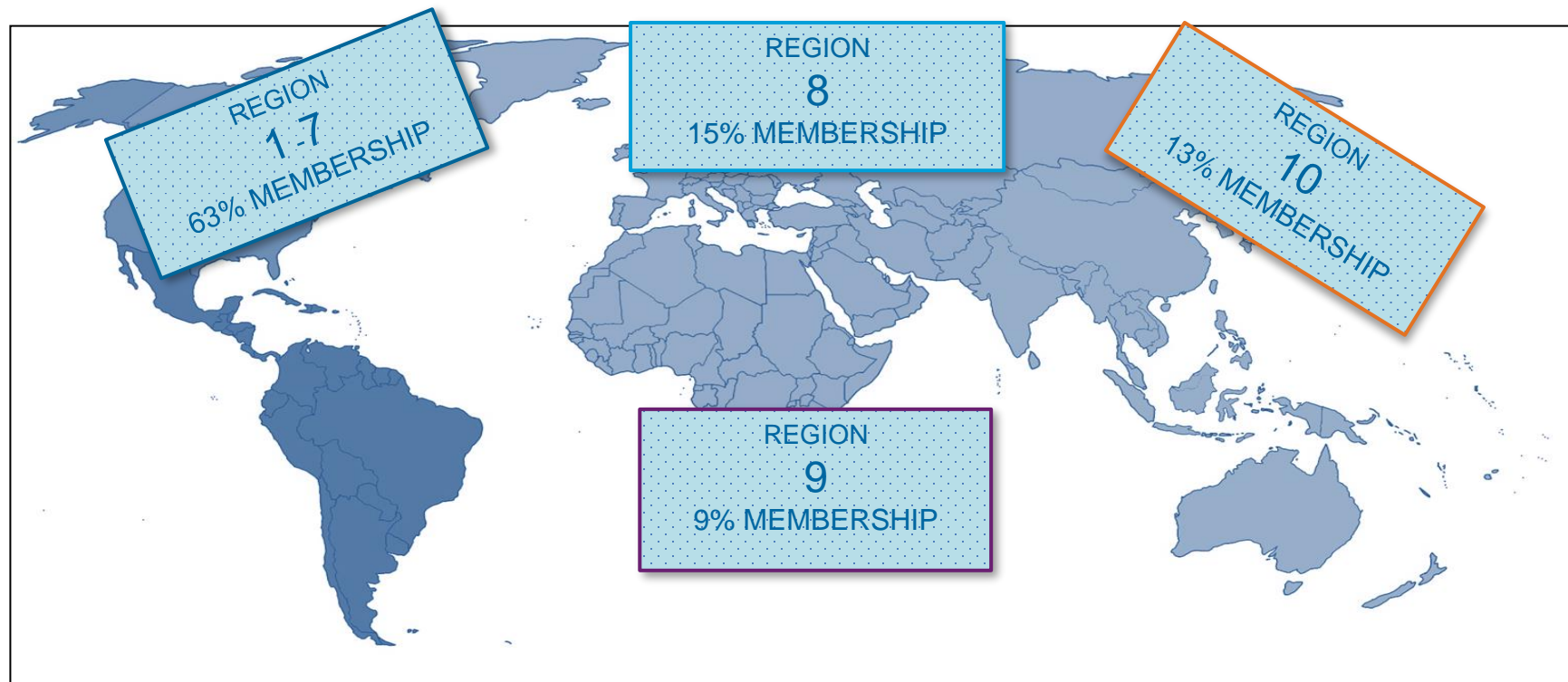
## More Power to the Future

Uduak Akpanedet  
IEEE PES Day 2020 Ambassador  
MSc Electrical Power Systems Engineering  
The University of Manchester

# Contents

- PES Global Reach
- PES Initiatives
- PES Women in Power (WiP)
- PES Students Congress
- How to create PES student chapter
- PES Technical Committees & Resource Center
- Q & A

# IEEE PES - Growing Globally!



PES is the second-largest society in IEEE

- All-time record of + 38,500 members in 150 countries
- Local Chapters – over 259 grassroot interactions
- More than half our members in the US
- Membership growth in Regions 8, 9, 10 has been outstanding

# IEEE PES Scholarship Plus Initiative

- Established to address the critical shortage of qualified power engineers in the United States and Canada
- Offers scholarships and career experience to undergraduate students to attract top talent to the power and energy field
- Undergraduate students can receive up to \$10,000 in financial support and assistance in obtaining a career experience prior to graduation

**The overall goal of the initiative is to help students get interested & involved in the Power & Energy Industry: [www.ee-scholarship.org](http://www.ee-scholarship.org)**



# PES Careers



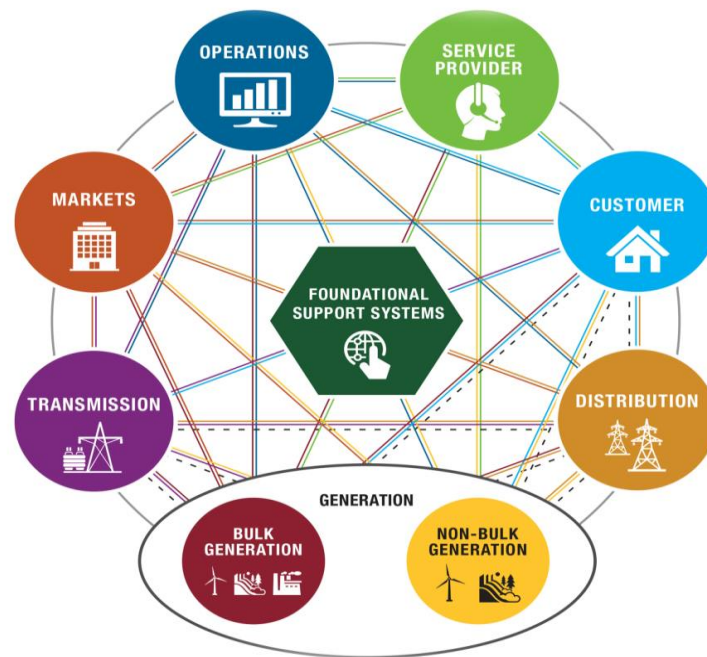
- Free online service that helps connect students with employers in the power industry.
- Service Areas: US/Canada, Europe & Middle East and Australia – working on expanding to global areas
- Over 1,700 students and 300 employers users

<http://www.pes-careers.org>



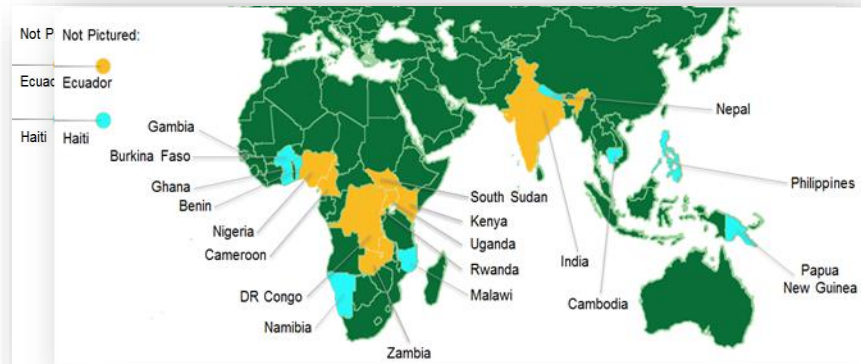
## A Growing, Global Community of more than 115,700+ Members

Collaborating to encourage the successful rollout of technologically advanced, environment-friendly and secure smart-grid networks around the world.



[smartgrid.ieee.org](http://smartgrid.ieee.org)





Achieving global impact, IEEE Smart Village is dramatically bettering the lives of **more than 100,000 off-grid** villagers with light and modest power. An institute-wide humanitarian program supported by PES and a signature program of the IEEE Foundation.



[www.ieee-smart-village.org](http://www.ieee-smart-village.org)

# Member-Driven Initiatives

- The IEEE Power & Energy Society Governing Board has allocated up to **US\$30,000** for Member-Driven Initiatives in 2019.
- The funding is open to all PES members, Chapters and Committees. Allocation of funds will be competitive.
- Check this link: <https://www.ieee-pes.org/pes-communities/member-driven-initiatives>





# Renewable Engineering in Schools (RES)

This project is one of the IEEE Members driven initiatives winning projects in 2016. It's mission is to teach students in schools about alternative ways to generate energy.

This mission will be achieved with **3 educational kits**, highlighted below.

# Renewable Engineering in Schools (RES)

- The students will broaden vision to life and gain valuable information on compressed air propulsion through Air Power Racer.
- The Salt Water Fuel Cell Truck gives students a chance to learn about new forms of clean energy, while building and powering their very own kit, just add saltwater.
- The solar energy kit building teach students the benefits of solar energy while they create a toy that is both fun to play with and requires no batteries.

# Women in Power

# PES WiP (Women in Power)

PES Women in Power promotes diverse leadership by supporting job growth, professional networks and women's education in the energy industry. WiP goal is not only to increase the number of women in the energy sector but also to encourage women to occupy leadership positions.

# Developing Women in Power

## WiP activities in schools





# Developing Women in Power

- African Women in Power at Power Africa 2019 - Nigeria
- Helping young professionals evaluate their career goals, polish their professional image and create the building blocks of lifelong and diverse professional network.





This group is not only for women!

All IEEE and PES members can benefit with PES WiP support for professional development and everyone is invited to join us.

PES Women in Power fosters a more diverse leadership by supporting the **career advancement**, **networking** and **education** of women in the energy industry.

# IEEE PES Student Chapters Congress

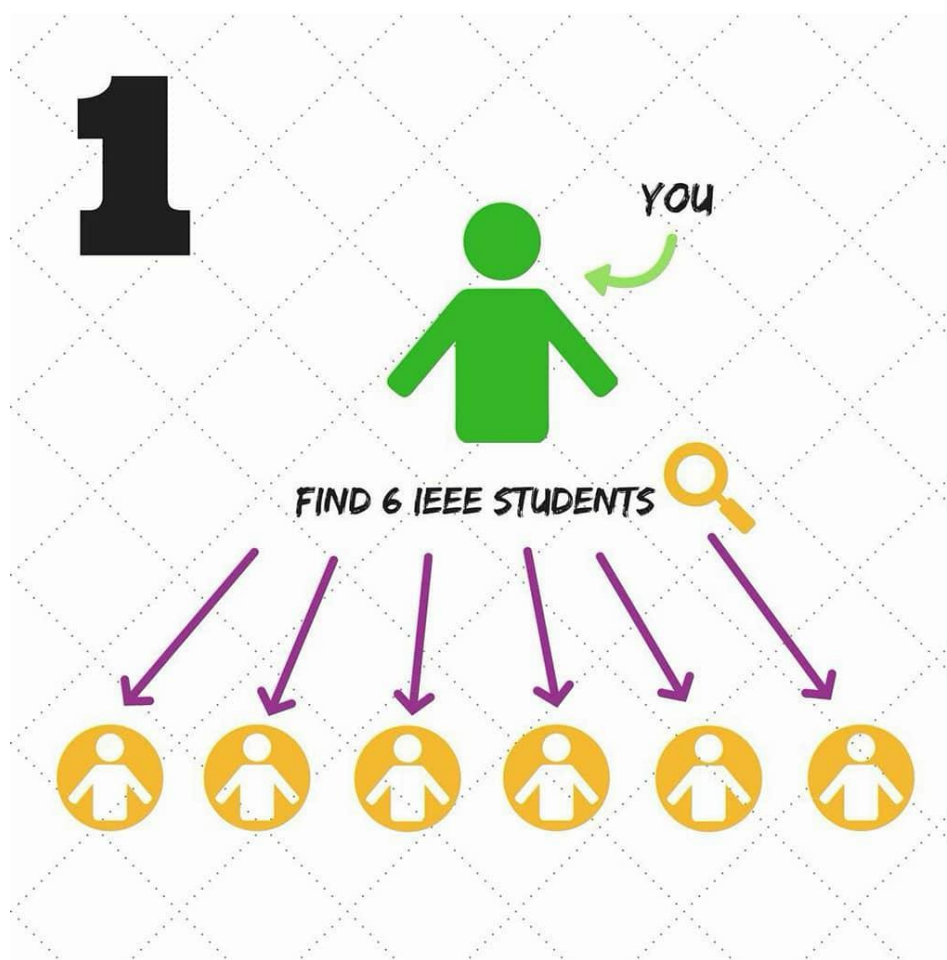
## Benefits for students

- Expansion of professional network.
- New technical knowledge
- Technical and non technical field trips
- Chance to meet new people, see different traditions & cultures
- Sharing activities between different PES Student Chapters
- Career advancement
- New ideas and networking
- World without boundaries

# 5 STEPS TO CREATE YOUR NEW PES CHAPTER



# 5 steps to create PES SBC

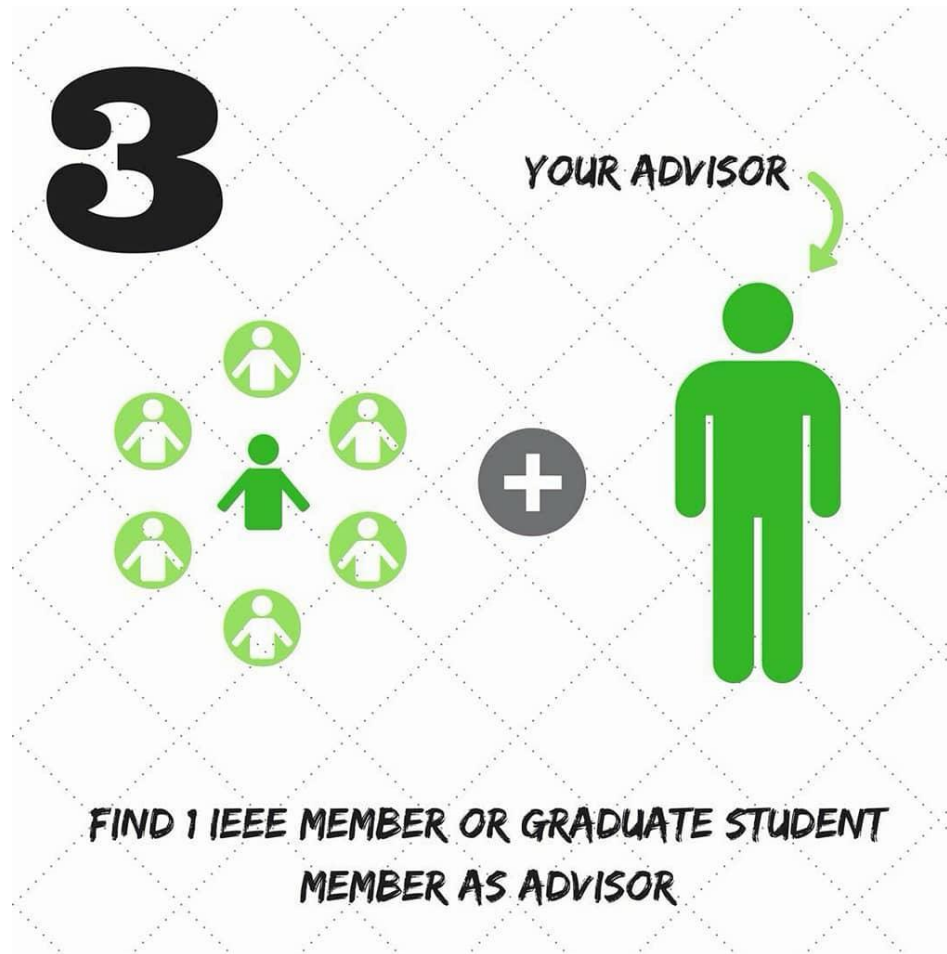




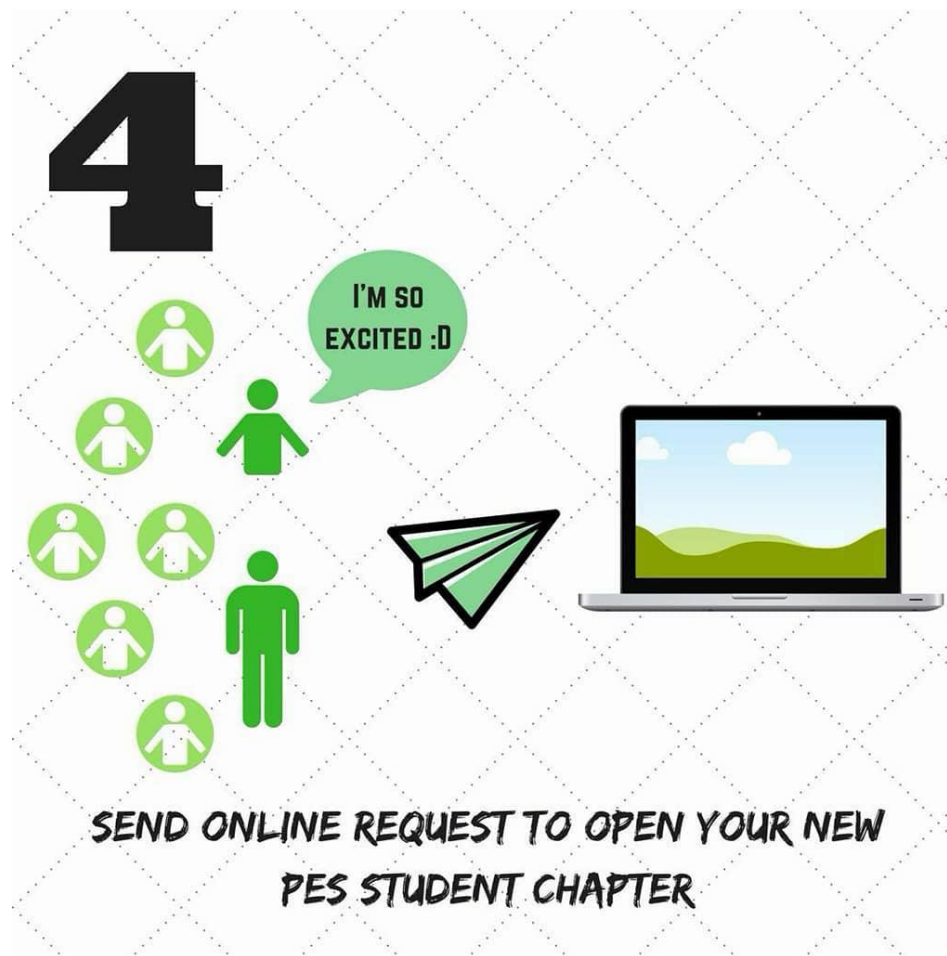
# 5 steps to create PES SBC



# 5 steps to create PES SBC



# 5 steps to create PES SBC



# 5 steps to create PES SBC

# 4

WAIT FOR 1  
OR 2 WEEKS



# 5 steps to create PES SBC





# IEEE PES SBC in the World

PES (Student) Chapter Locator:

<http://www.ieee-pes.org/pes-communities/chapters/chapter-locator>

## CHAPTER LOCATOR

Find a location near you

Radius 

Student
 

- All Categories -  
 Joint  
 PES  
 Student

☐ Region 01
 ☐ Region 02
 ☐ Region 03
 ☐ Region 04
 ☐ Region 05
 ☐ Region 06
 ☐ Region 07
 ☐ Region 08
 ☐ Region 09
 ☐ Region 10

Search Results for:

Karta

Satelit

Osijek University Of Josip Juraj Strossmayer

Osijek, Croatia

Tags: Region 08

Title: Advisor

Officer: Danijel Topic

Email: danijel.topic@etfos.hr

[Get Directions](#)

College PES SB Chapter

New Delhi, India

Tags: Region 10

Title: Advisor

Officer: Numa Malhotra

Email: numamthapliyal@gmail.com

Ort Instituto Tecnologico

Uruguay

Tags: Region 09

Title: Advisor

Officer: Fonseca De Oliveira

# IEEE PES SBC in the World



# Support and benefits for IEEE PES SBC and Students

1. Startup Funds:
  - Each new PES Student Chapter receives **\$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 **\$200 to \$500**.
  - In HPSBCP PES Student Branch Chapters were awarded a total of \$42,830.00 in 2014, 2015 and 2016. The Outstanding PES Student Branch Chapter in 2014, 2015, 2016 were rewarded with **\$1000** for each year.
  - IEEE PES Student Branch Chapters Congress
  - PES supports travel and registration fee costs for one student form IEEE PES SBC.

# Support and benefits for IEEE PES SBC and Students

4. Other benefits (<http://www.ieee-pes.org/pes-communities/students/resources>):
  - Relevant education resources
  - Student competitions
  - Member driven initiatives
  - Student Chapters & Support at Conferences.
5. PES scholarship plus initiative:
  - <http://www.ieee-pes.org/pes-communities/students/pes-scholarship-plus-initiative>

# Technical Committees & Resource Center

- Analytic Methods for Power Systems
- Electric Machinery
- Energy Development and Power Generation
- Energy Storage and Stationary Battery
- Insulated Conductors
- Nuclear Power Engineering
- Power System Communications and Cybersecurity
- Power System Dynamic Performance
- Power System Instrumentation and Measurements
- Power System Operations, Planning and Economics
- Power System Planning and Implementation
- Power System Relaying and Control
- Smart Buildings, Loads and Customer Systems
- Substations Committee
- Surge Protective Devices
- Switchgear
- Transformers
- Transmission and Distribution

## Coordinating Committees

- Intelligent Grid and Emerging Technologies
- Marine Systems
- Wind and Solar Power





# Technical Committees & Resource Center



- The IEEE PES Resource Center puts all PES media in one place:  
<http://resourcecenter.ieee-pes.org/>
- PES Members have access to hundreds of presentations, slides and reports from PES conferences and events, plus technical reports, videos, tutorials and more. This webinar will present the key features of Resource Center so PES Members can make the most of it.
- It will also present how content goes to the Resource Center and how this platform is likely to evolve in the future.

A photograph of a table covered with a red cloth, displaying various IEEE PES promotional materials. In the foreground, a small white pennant on a black stand features the IEEE PES logo and the text 'IEEE PES Society®' and 'org'. The pennant is positioned on the left side of the frame. Scattered across the table are several brochures and pamphlets. Some brochures have blue headers, while others have colorful images of people. One brochure in the bottom right corner features a blue header with the text 'Dr. Jacek M. Zbrinke' and 'Candidate for 2014 IEEE PES President'. The background is slightly blurred, showing more brochures and a green folder. The overall scene suggests a promotional or informational display for the IEEE PES Society.

**“More Power  
to the Future”**