



# IEEE Power & Energy Society Goals, Strategy and Resources

**Edina Livnjak**

PES Region 8 Student Chapter Coordinator

[edina.livnjak.ba@ieee.org](mailto:edina.livnjak.ba@ieee.org)

Central European Student and Young Professionals Congress  
9th May 2015, FER Zagreb, Croatia

# Outlines

- Introduction
- PES mission and field of interest
- How to form PES SB Chapter?
- HPSBC Program
- Student Congress
- PES General Meeting
- PES Chapters' Resources

# About PES

- **IEEE Power & Energy Society:**
  - sharing the latest in technological developments in the electric power industry
  - developing standards that guide the development and construction of equipment and systems
  - educating members of the industry and the general public.

# 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.

# PES field of interest

- R&D, planning, design, construction, maintenance, installation and operation of equipment, structures, materials and power systems for the safe, sustainable, economic and reliable conversion, generation, transmission, distribution, storage and usage of electric energy, including its measurement and control.

# How to form PES SB Chapter?

- IEEE Student Branch is required to establish a PES Student Branch Chapter.
- Signatures of at least six IEEE SB members, who are members of PES.
- A Faculty Advisor, who is also a member of IEEE and PES.
- The name and address of the Student Branch Chapter organizer.
- Completed and approved petition.

# Benefits for new SB Chapters

- First year of PES student membership – FREE
- 200 \$ of initial funds are awarded to new Student Branch Chapters
- More information about Chapters:

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

# Chapter Locator

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

Search to locate places near you.

Chapter type:

- P** PES
- J** JOINT
- S** STUDENT

**S** Palestine Polytechnic University  
Region 08  
Advisor: Sameer Khader  
[sameer@ppu.edu](mailto:sameer@ppu.edu)

**P** Akron-Canton Section Chapter, PE31  
Region 02  
Chair: Dean E Philips  
[philipsd@firstenergycorp.com](mailto:philipsd@firstenergycorp.com)  
[Chapter Website](#)

**P** Alabama Section Chapter, PE31  
Region 03  
Chair: Derrick Cherry  
[dd\\_cherry6@hotmail.com](mailto:dd_cherry6@hotmail.com)



# Chapter Chairs

- Chapter Chair is chosen after formation during organization meeting.
- Chapter Chairs have direct contact with the members and facilitate technical activities for the members:
  - Events
  - Suggested Practices for Communications
  - Resources: Budgets and Funding
  - Getting Students Involved

# Chapter Chairs

- They report technical and educational meetings in the L31 report as technical activity measure:

<http://meetings.vtools.ieee.org/main>

- In addition, PES Chapter Chairs submit PES Chapter Annual/High Performing Student Branch Chapter Program (HPSBCP) report to Student Chapter Coordinator.

# HPSBC Program

- Excel Template with required information:
  - Incoming Chapter Chair
  - Chapter website link
  - Chapter meetings
  - Technical, social and other activities.
- Chapter Chair should complete and email the report to Chapter Coordinator and Branch Counselor until December 31st of the current year.

# HPSBC Program

- This is the way to check Chapter activity.
- Chapters are rewarded with 200\$ - 500\$ depending on their activities.
- Report from 2014 have been evaluated and results will be announced soon.
- 22 SB Chapters submitted their reports – success for the first year of this program.
- IEEE PES Outstanding Student Chapter Award

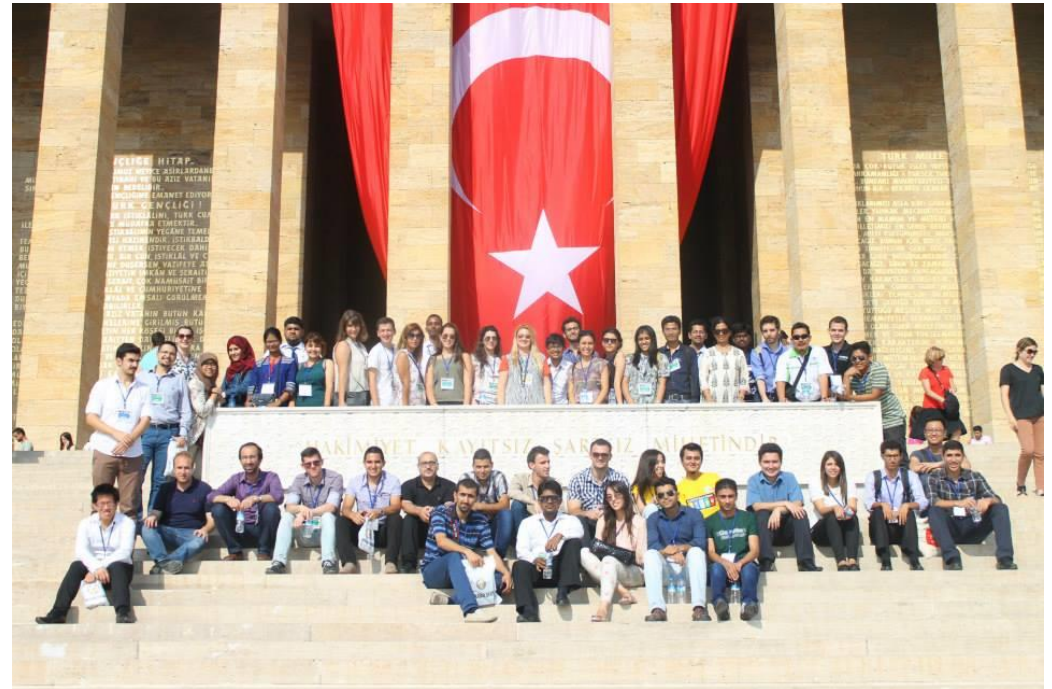
# First PES Student Congress

- 29-31 August, IEEE METU Ankara, Turkey
- Goal: to unite all PES student volunteers in order to improve their technical skills and expand their professional network.
- Power and energy sector → students who come from many different universities from all around the world.
- Using this Congress, our aim is to engage all of the PES Student Chapters.

# First PES Student Congress

- 45 students participating
- IEEE workshops
- Lectures about power and energy technologies
- Technical tours
- Learning about different cultures and expanding professional contact network.

# First PES Student Congress



# First PES Student Congress





# PES Student Congress

- Next Student Congress in 2016.
- Preparations have already started.
- Our goal is to make it bigger with more students participating.
- Survey about Congress will be sent to Advisers soon.
- Don't forget to fill the survey. Your ideas and suggestions about Congress are very welcome.

# PES General Meeting

- 26-30 July, 2015 in Denver, Colorado.
- Student Industry Faculty Luncheon
- Student Job Fair – Connecting students with potential employers
- Student Hotel support available for student participants

# PES Careers

- This program connects students and employers.
- Students can find a job or internship in power and energy.
- At present, PES Careers serves the following areas:
  - Australia
  - Europe and Middle East
  - US and Canada

# PES Careers

- Follow the steps:
  - Post your resume and profile
  - Search for employers and jobs that match your criteria
  - Allow employers to search for you
- More information: <http://www.pes-careers.org/>

# IEEE PES Resource Center

- <http://resourcecenter.ieee-pes.org/>
- Free for PES members!
- Top 10 Resource Center downloads in 2014:
  1. [Dynamic Models for Turbine-Governors in Power System Studies](#) (2013)
  2. [IEEE Tutorial on the Protection of Synchronous Generators](#) (2011)
  3. [Terms Used by Power System Protection Engineers](#) (1997)
  4. [Special Publication Transient Analysis of Power Systems. Solution Techniques, Tools and Applications](#) (2011)
  5. [Substation Automation Tutorial](#) (2004)
  6. [Voltage Stability Assessment: Concepts, Practices and Tools](#) (2002)
  7. [Identification of Electromechanical Modes in Power Systems](#) (2012)
  8. [Impact of Industry Restructuring on System Dynamic Performance](#) (2014)
  9. [Interconnected Power System Response to Generation Governing: Present Practice and Outstanding Concerns](#) (2007)
  10. [Voltage Sourced Converter \(VSC\) Applications in Power Transmission](#) (2007)

# PES Webinars

- <http://www.ieee-pes.org/professional-development/education/pes-webinars>
- IEEE PES Webinars consist of 8 different categories to cover a wide variety of interests and technical levels.
- Register for webinar and access it directly or watch archived webinars.

# PES Webinars

- Webinar categories:
  - Membership
  - Technical
  - Women in Power
  - Young Professionals
  - Students
  - Publications
  - Chapters
  - Distinguished Lecturer Program

# University Research Capabilities

- <http://pes.mst.edu/>
- A database of research capabilities of the faculty in power engineering working at universities.
- Research capabilities are compiled by keyword, institution and name.
- Information from faculties worldwide is available.



# IEEE eLearning

- <http://iee-elearning.org/>
- Online collection of short courses and conference workshops.
- There is a lot of useful material regarding power, energy and industry applications.
- Login with your IEEE account and access tutorials.

# Women in Power

- <http://www.pes-women-in-power.org/>
- Supporting the career advancement, networking and education of women in energy industry.
- Goal is not to simply increase the number of women in power industry but to promote women into leadership positions as well.

# Women in Power

- Benefits of membership in Women in Power:
  - Assistance in finding a mentor
  - Free webinars
  - Access to special panels at PES conferences
  - Networking opportunities
  - Regional events
  - Access to educational resources
- To join, simply fill in the form on the website.

# Chapter Chairs Training

- The Chapter Training Program:
  - for Region 1-7 has been scheduled in conjunction with PES General Meeting (every year)
  - for Region 8 has been scheduled for the weekend prior to the PES major events in the Region - Power Tech, ISGT (every year)
  - for Region 9-10 has been scheduled for the weekend prior to PES major events in the Region , i.e. T&D LA, ISGT (every year)

# Young Professionals

- IEEE Graduates of the Last Decade (GOLD) was created in 1996 as a membership program to help students transition to young professionals within the larger IEEE community.
- Recently, IEEE GOLD has been re-branded as IEEE Young Professionals.

# Young Professionals

- <http://www.pes-gold.org/>
- PES members who have received their first professional degree within the **last fifteen years** are automatically PES Young Professionals members.
- Currently, there are over 3,200 PES Young Professionals worldwide.

# Young Professionals

- The PES Young Professionals Committee is focusing on the following initiatives:
  - Building continuity into student programs, transitioning to IEEE Young Professionals membership, and senior IEEE/PES membership.
  - Provide students and young professionals with career services via PES-Careers, job fairs and conference seminars.
  - Involving PES Young Professionals members in PES activities.

# Distinguished Lecturer Program

- This program provides lecturers worldwide to present topics of current interest for chapters.
- The lecturers are well-known engineers who have been working in the selected areas for long time.
- List of lecturers can be found at:

<http://www.ieee-pes.org/pes-communities/chapters/distinguished-lecturer-program>



# Distinguished Lecturer Program

- A chapter can request a lecturer by sending a request form to the chair of the Distinguished Lecturer Program committee.
- PES supports financially a DLP lecturer visit to each chapter once per year.
- Contact the Distinguished Lecturer Program Committee at [pes.chapters.dlp@ieee.org](mailto:pes.chapters.dlp@ieee.org).

# PES Chapter Awards

- High Performance Chapter Program
- Outstanding Chapter Award (OCA)
- Membership Contest
- Website Contest
- Outstanding Engineer Award (OEA)

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

# Communication and Promotion

- It is important to get the word out about your Chapter.
- Information about your Chapters' projects, meetings and activities should be available via:
  - Website
  - Social Media (Facebook, LinkedIn, Twitter)
  - Newsletters (Chapter, Section, PES, University)

# PES Chapters Long-term Goals

- Increase PES membership
- Increase participation in PES activities and the number of volunteers
- Reconnect with "lost" chapters or form new chapters where the PES membership base exists
- Develop consistent processes and apply them fairly to all chapters. Make all chapters aware of the existing opportunities and rules.
- Develop the PES Chapters leadership base by training successors and passing leadership skills onto the next generation of leaders

# PES Chapters Long-term Goals

- Increase our participation in PES Conferences / Symposia in addition to regular chapter's technical meetings and events
- Increase our participation in WIE
- Increase our participation in promoting PES among high school students
- Increase our participation at PES-Careers Global platform

# Where to go for help?

- **Frank Lambert**, *VP Chapters*:  
[flambert@ieee.org](mailto:flambert@ieee.org)
- **Danijel Topić**, *PES Student Chapters Coordinator*:  
[dtopic@etfos.hr](mailto:dtopic@etfos.hr)
- **Edina Livnjak**, *PES Region 8 Student Chapter Coordinator*: [edina.livnjak.ba@ieee.org](mailto:edina.livnjak.ba@ieee.org)

# Thank you for your attention.

## Questions?

