

Welcome to IEEE Sweden PES Membership Meeting

KTH, September 29, 2016

Lina Bertling Tjernberg, Chapter chair

- Opening and brief IEEE information
- Guest lecture Dr. Math Bollen LTU/STRI
- Networking (approx. 16.30-17.00)
- Guest lecture Dr. Fredrik Carlsson Vattenfall

Brief presentation of the IEEE, PES and Sweden Chapter PE/PEL

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Chapter chair PE/PEL Sweden

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September 29, 2016

KTH, Stockholm

Agenda

- About IEEE PES benefits
 - Sweden Chapter PES/PE
 - Examples on Activities
- Main messages :
- *The more you give the more you gain*
 - *Give your vote for the elections*

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



About IEEE PES: Value Proposition



About IEEE PES: Benefits

Benefits for Practicing Engineers and Managers

- Educational activities
- Networking opportunities
- Join the industry community
- Chapter activities

About IEEE PES: Benefits

Educational Activities

- Distinguished Lectures (through Chapters)
- E-Learning Modules
- Plain Talk Courses for Non-Engineering Professionals
- Tutorials at Major Conferences & General Meeting
- Videos

About IEEE PES: Benefits

Networking Opportunities

- Main opportunities:
 - Technical Activities
 - Conferences & Meetings
 - Chapter Activities

About IEEE PES: Benefits

- You are part of a dynamic and growing organization
- You stay up-to-date on technologies and trends affecting the power and energy industry and your career
- You are part of the professional community
- You respect your company, and bring visibility to it by participation in PES activities

About IEEE PES: Benefits

PES Membership Includes

- Subscription to Power & Energy Magazine (hard copy)
- Free membership in local PES chapter
- Discounts to:
 - PES sponsored or co-sponsored conferences and meetings
 - technical tutorials and Plain Talk courses
 - PES peer-reviewed technical journals
 - Digital Library
- Updates through PES eBulletin and e-News Update
- Opportunity to impact the industry through volunteer leadership positions

About IEEE PES: Benefits

Opportunities for Students

- Student Chapter at your University
- Student Support (housing) for several meetings, including General Meeting
- Student poster and paper competition
- Free membership in PES for first year
- PES Careers
- GOLD

Sweden PE/PEL Chapter - summary



Join the Global Network of IEEE



Power & Energy Society™

IEEE Institute of Electrical and Electronics Engineers

- World's largest professional association advancing innovation and technological excellence for the benefit of humanity
- Inspire a global community to innovate for a better tomorrow through its highly cited publications, conferences, technology standards, and professional and educational activities
- 125 years anniversary in 2009
- 375 000 members – a global network!
- Societies, Sections and Chapters: worldwide

IEEE Membership

Value for employers:
By supporting employee involvement in IEEE, your employees position you as a leader in the industry while, at the same time, developing themselves.

Value for employees:
IEEE is a trusted resource dedicated to the technical, informational, networking and professional development needs of our members through:

- Technical Activities
- Conferences/Meetings
- Education
- Publications

IEEE PES Student Membership

What are there for you?

- Learn about current research and applications of recent technologies.
- Stay informed about the latest developments in traditional technologies and the new opportunities.
- Network with experienced professionals in all aspects of the industry at local, regional and international meetings. Save really big on conference registration fees.

Not an IEEE PES member yet?
Register at www.ieee.org/pes

IEEE PES Power and Energy Society

- 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"
- The third largest society
- 24000+ members

IEEE PES Power Engineering/ Power Electronics Chapter Sweden Chapter

Current board members:

Chair: Lina Bertling (Chalmers)
Vice Chair: Hans P. Nee (KTH)
Treasurer: Hector Zelaya de la Parra (ABB)
Secretary: Olof Samuelsson (LTH)
Member: Jianping Wang (ABB)
Webmaster: Zhu Kun (KTH)
Events: Tuan Le (Chalmers)



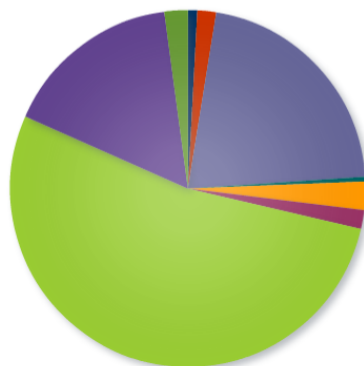
Upcoming event:
IEEE Sweden PE/PEL Chapter Seminar
Title: "Towards a New Smart Grid System: Challenges in Power Electronics and Power Systems"
Date: April 15th 2011
Place: ABB Corporate Research, Västerås, Sweden.
For more information about the seminar, please contact: hector.zelaya@se.abb.com

- Members: 234 (2016-09)
- Chapter revitalized in 2009 with board members from
 - ABB, KTH, Chalmers, Lund
- Key issue: provide an independent arena to network and exchange
- More information at: www.ieee.se

Sweden PE/PEL Chapter - members

Active Member Counts by Grade, by Section

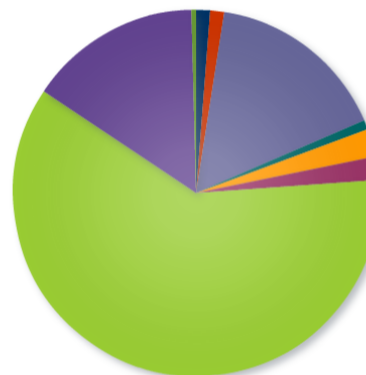
Section Name	Sub Section Name	IEEE Current Grade Description	Count of Members
Sweden Section		Associate Member	2
		Fellow	4
		Graduate Student Member	50
		Life Fellow	1
		Life Member	6
		Life Senior	4
		Member	124
		Senior Member	38
		Student Member	5
			234
Sweden Section Total			234



Count of Members

Active Member Counts by Grade, by Section

Section Name	Sub Section Name	IEEE Current Grade Description	Count of Members*
Sweden Section		Associate Member	3
		Fellow	3
		Graduate Student Member	39
		Life Fellow	2
		Life Member	6
		Life Senior	5
		Member	147
		Senior Member	37
		Student Member	1
			243
Sweden Section Total			243



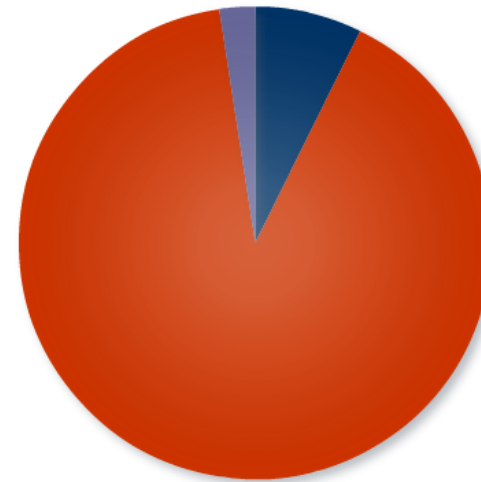
Count of Members*

Sweden PE/PEL Chapter - members

Active Student and Graduate Student Member Counts by School

Section Name	Sub Section Name	School Name	Count
Sweden Section		Chalmers Univ Of Tech	5
		Dalarna Univ	1
		Halmstad Univ	1
		KTH Royal Institute Of Technology	24
		Linkoping Univ	1
		Univ Of Lulea	2
		Universidad Pontificia de Comillas	1
		Uppsala Univ	5
		Washington State Univ-Pullman	1
			41
Sweden Section Total			41

■ Computer Sciences and Informat
 ■ Engineering
 ■ Technical Communications, Educ



Count

Sweden PE/PEL Chapter - members

City		City	
Stockholm	62	Göteborg	22
Västerås	50	Malmö	4
Ludvika	19	Lund	5
Linköping	4	Uppsala	5
Sollentuna	4	Sundbyberg	8
Skellefteå	5	Others	

Sweden PE/PEL Chapter - activities

Example on activities

- Seminars e.g. external guest lectures at universities
- Student branch activities and technical study visits
- General member meetings
- Hosting conferences (e.g. IEEE ISGT in 2010, PMAPS2006)
- Sweden Section Chapter meetings (to be hosted on October 6th at KTH)

Sweden PE/PEL Chapter - activities

IEEE Graduate student poster competition at ABB

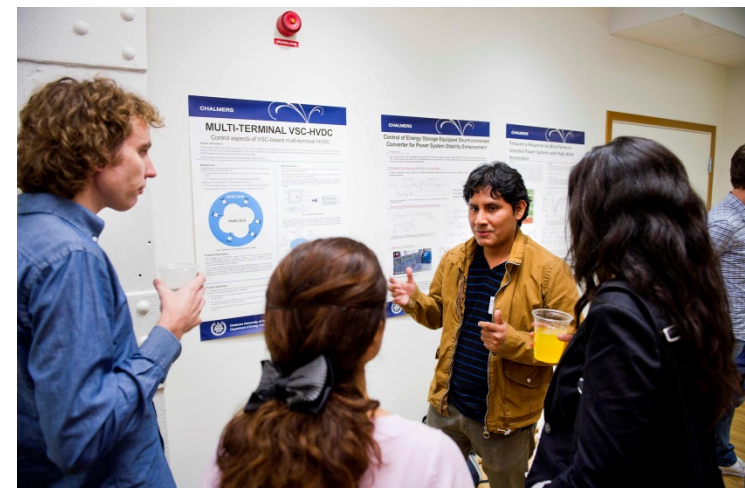
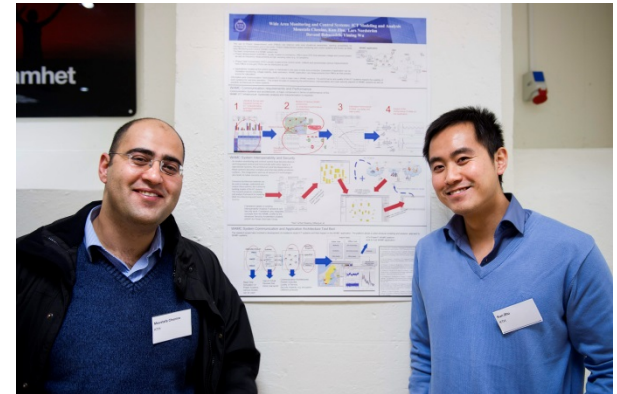
- Joint event between IEEE Sweden PES&PL section and ABB Sweden
- In conjunction with ABB annual graduate student event:
 - market ABB
 - share experiences with academia
 - recruitment
- Oct, 4-5th, 2012, Västerås, Sweden
- Attendees :
 - 3 from Chalmers
 - 9 from KTH
 - 4 from Uppsala
 - 1 from Lund
- Study field:
 - Machine
 - Power electronics
 - Power system
 - High voltage
 - ICT for power system



Sweden PE/PEL Chapter - activities

IEEE Graduate student poster competition at ABB

- Presentations from the following ABB divisions
 - CRC, HVDC, FACTs and Energy Storage
- Poster competition judges:
 - Dr. Hector Zelaya De La Parra, ABB CRC
 - Dr. Lennart Harnefors. ABB AB
- Results:
 - The winner was Mattias Persson



Sweden PE/PEL Chapter - activities



- Hosting the First IEEE PES ISGT Europe in 2010
 - 420 persons, 40 countries, 150 papers
 - 60% industry and authority, 40% university
- More information: www.ieee-isgt-2010.eu

Sweden PE/PEL Chapter - activities



- The 9th Conference on **P**robabilistic **M**ethods **A**ppplied for **P**ower **S**ystems
 - June 2006, KTH, Stockholm
 - 300 persons from 30 countries

IEEE Elections

- Give your vote for the IEEE Elections
 - Deadline October 3 !
 - <http://www.ieee.org/about/corporate/election/index.html>

REASONS TO VOTE FOR
WANDA REDER
Cast your vote August 3 - October 3, 2016

CONNECTION WITH IEEE MEMBERS GLOBALLY:
Wanda has delivered keynotes, tutorials, distinguished lectures and Chapter training throughout all ten IEEE Regions. Her high-level of technical society participation and global engagement has led to an in-depth understanding of membership needs, including that of Young Professionals and Women in Engineering – making her uniquely suited to fulfill the leadership responsibilities of the IEEE 2017 IEEE President-Elect.

Learn More – visit www.wandareder.com

IN-DEPTH KNOWLEDGE OF IEEE:
By serving on the IEEE Board, the IEEE Foundation Board, PES Board, Technical Activities Board, Women In Engineering Board, and Publications and Services Board, Wanda has gained insight to IEEE resulting in increased Chapter participation, improved financial controls, and more.

PROVEN LEADERSHIP TRACK RECORD:
With Wanda's leadership as President of the IEEE Power & Energy Society, membership started to soar. It is now the second largest technical society within IEEE. Wanda also launched the IEEE PES Scholarship Plus Initiative in 2011, which has attracted \$6.5M in philanthropic contributions and awarded over 900 scholarships.

STRONG TECHNICAL VISION TO BEST SERVE IEEE MEMBERS:
In 2010, Wanda launched IEEE Smart Grid. With over 90,000 followers, it exemplifies how her leadership can enhance IEEE through collaboration, trust, industry outreach, social media and establishing a best-practice model for IEEE multi-disciplinary initiatives.