



February 2015

Newsletter of the Schenectady Section of the IEEE

<http://sites.ieee.org/schenectady>

The next Issue of Newsletter will be published in April 2015. Submit articles by April 6.

## Save the date - 21 April 2015 Steinmetz Memorial Lecture

- The Steinmetz Memorial lecture will be held evening of April 21, 2015. The lecture is free and open to everyone.
- This memorial was created by Steinmetz's many friends and admirers in 1925. Since then, many eminent scientists and engineers have presented public lectures in honor of Charles Proteus Steinmetz. (1865-1923).
- This lecture series has brought dozens of eminent scientists, engineers and innovators to Schenectady.
- This will be held at the Union College Nott Memorial building.
- Further details will be forthcoming. Refer section website for future details.



## IEEE PES Schenectady Chapter 2014 Highlights and 2015 Expectations

This is a brief review of your local IEEE Power and Energy (PES) Chapter activities in 2014 and a look forward to 2015 activities. As you read this please know that your feedback regarding these activities or anything else you believe would enhance chapter value to you is encouraged. You can email your PES chapter chair at [Vincent.J.Forte@ieee.org](mailto:Vincent.J.Forte@ieee.org) with your comments and suggestions.

### Chapter Leadership

Sowmya Nellutla and Amal Mallavarapu were elected Vice-Chairs for 2015 and Vincent Forte, Jr. re-elected chair. We are honored to be working on your behalf. You can find our contact information on the new PES Chapter tab on the Schenectady Section website <http://sites.ieee.org/schenectady/>. This new PES tab will be updated periodically through the year with information of interest specifically to PES members.

### Colloquium and other presentations

2014 was an exciting year as we launched a new major initiative for adding value locally. Judging by responses from all attendees, the IEEE Engineering Colloquium held last September was a great success. This was the first conference organized by the Schenectady chapter and it is now planned to be an annual event. Continuing education credits were provided for each presentation.

The 2015 IEEE Engineering Colloquium will be held on September 25 at the Union College campus in Schenectady. Check the PES tab on the Section website in March for the specific date to hold for this next colloquium. If you have a topic, speaker, or project about which you would like to hear a presentation, please email us. This could be for the colloquium or for our monthly meetings.

Your chapter hosted several presentations and tours in 2014. Most of these provided continuing education (PDH) credits. These included:

- new big data analysis,
- the latest about Smart Grid,
- power system major storm restoration processes,
- harmonics in electrical systems,
- power systems software,
- IEEE Std 80 substation grounding calculations,
- selective coordination,
- future of electricity markets,
- series capacitor applications,
- interconnection processes for National Grid load and distributed generation customers,
- NYISO interconnection process,
- IEEE code of ethics and a process aid for ethical decision making,
- over-voltages and effective grounding or other solution techniques,
- new open source tools that can be used for power system modeling,
- Facilities Engineering Management and tour of the Global Foundries Chip Fab plant in Malta, NY.

### **Outreach to Other Organizations**

PES Chapter leadership represented the Chapter and Section at the film premier of “Divine Discontent: Charles Proteus Steinmetz” which was partially funded by the IEEE Foundation. This is a great film that places electrical engineers in a positive light and it provided a networking opportunity for the chapter with

local and national level leaders. We also reached out to other professional organizations by making technical presentations to Union College, the Albany Society of Engineers, DistribuTECH 2014, and co-sponsoring the energy track with NSPE’s Engineer’s Week conference. We also represented the Section in October at the Edison Technology Center during Schenectady’s Manufacturing Week, where we described IEEE activities and answered the general public’s questions about engineers and engineering.

### **Outstanding Engineer Award**

Your PES leadership team has developed selection criteria and an award process to establish a Chapter Outstanding Engineer Award. You will be able to find details about this chapter level award on the PES tab of the Section website. Please review this information and consider nominating deserving PES Chapter members.

### **Conclusion**

This has been an eventful year for the chapter. The new colloquium has proved to be a success and will become an annual event. We have created a chapter outstanding engineer award which will highlight our members and their accomplishments. Many technical presentations have been conducted. We look forward to another exciting year for the PES Schenectady Chapter. We invite and encourage member feedback to help guide our next steps.

### **IEEE Resume Lab**

IEEE ResumeLab – has been launched for member use!

ResumeLab allows IEEE members to use customized templates to create resumes/CVs, letters related to the employment process, portfolios of past work, skills profiles, and video resumes. The product also provides members with the ability to conduct mock interviews. Finally, everything created in the product can be shared with colleagues, mentors, potential employers, the public, or social media via publicly-available links. Visit [www.ieee.org/resumelab](http://www.ieee.org/resumelab) to see information about the product.

## **IEEE-USA Legislative Update:**

The IEEE-USA web site offers timely summaries of legislation that concerns you! Check IEEE-USA’s Legislative Action Center ([www.ieeeusa.org/policy](http://www.ieeeusa.org/policy); look in the upper right).

## 2015 Nominations for Elected Officers

Is your local society staffed? If not, we need you.

A Society with no Events/Talks/Meetings for 3 years will be dissolved by IEEE.

Call for Volunteers! The Schenectady Section needs your help! By volunteering you will meet great people and help plan professional, educational or social events in the area. These events are reimbursed and bring our IEEE dues back to the local area. Please contact Rebecaa Nold or James Barrett.

### Executive Committee

Chair James Barrett, [jbarrett@nyiso.com](mailto:jbarrett@nyiso.com)  
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### Computational Intelligence Society

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### Signal Processing Society

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### Electron Device Society

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## 2015 Appointed Officers

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APRIL 17-19, 2015

## SPONSORSHIP/NETWORKING OPPORTUNITIES FOR LOCAL INDUSTRIES -

The Northeast Bioengineering Conference at RPI on April 17-19 will attract the top BME, CHEME and MSE students and professionals from all over the Northeast. This is an excellent opportunity for local industries to advertise, network and recruit highly qualified candidates. Industry tables for networking/recruitment and other advertising/sponsorship opportunities are available now.

In addition, Friday's conference program will be tailored to meet the career-related needs of the undergraduate and graduate attendees. **BMES (the Biomedical Engineering Society)** has joined NEBEC to present a "Career Connections" Conference on Friday, April 17th. This event will include industry professional speakers, panel discussions and a networking session. This is only the second time this has occurred at NEBEC and was an extremely successful and well-attended event at last year's conference. We are seeking sponsorship and participation in this exciting new joint endeavor for our best and brightest engineers. More information is available at [www.nebec.org](http://www.nebec.org). If you are an industry professional interested in sponsorship opportunities, please contact Conference Coordinator Jennifer Sinnott at [sinnoj2@rpi.edu](mailto:sinnoj2@rpi.edu).



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