Meeting Minutes
IEEE/PES Power and Energy Education Committee

Main Meeting
Tuesday, July 28, 2015
2015 IEEE/PES General Meeting – Denver, CO
10AM-12PM
Governor’s Square 10

Agenda

1. Meeting began at 10:10AM
2. Introduction of attendees

3. Announcements:
   a. PEEC events to attend at the PES GM 15: Tutorials, Panels, Paper, and Poster sessions
      i. Tutorials:
         Five half-day tutorials, seven full-day tutorials reviewed by PEEC.
      ii. July 27 (Mon)
         2. 5–8PM, Plaza Ballroom. PEEC poster session.
      iii. July 28 (Tue):
         1. 7–930AM, Plaza Foyer and Ballroom AD (collocated with Attendees Breakfast), Student Poster Contest.
         2. 1–5PM, Plaza Court 8, Transmission planning with the perspective of renewable resource integration: education and research initiatives. Panel - Heydt and Suryanarayanan.
      iv. July 29 (Wed):
         1. 8AM–12PM, Plaza Court 6, Existing and proposed power systems laboratories for the undergraduate curriculum. Panel - Chowdhury.
         2. 10AM–12PM, Plaza Court 8, PEEC/Transformer/IGC Transactions. Paper session. (4 PEEC papers)
         3. 1–5PM, Plaza Court 2, University‐industry initiative in resource creation for power engineering education and research training. Panel - Islam and Gao.

4. Recognition of PEEC members with society level awards:
   a. IEEE PES Outstanding Power Engineer Educator Award - Ross Baldick
   b. IEEE PES Douglas M. Staszesky Distribution Automation Award - S. S. (Mani) Venkata
   c. IEEE PES Prize Paper Award- Hugo Nestor Villegas Pico and Dionysios Aliprantis
   d. IEEE PES Student Prize Paper Award in Honor of T. Burke Hayes - Julien Thomas and Dr. Christian M. Franck (Advisor)
   e. IEEE PES Outstanding Young Engineer Award - Sid Suryanarayanan
   f. IEEE Renewable Energy Award: Salameh (U Mass Lowell)

5. Recognition of PEEC members who are new IEEE Fellows: Deepa Kundur, Manimaran Govindarasu, and Chika Nwankpa

6. Recognition of PEEC members who are new members of the National Academy of Engineering: None

7. In memoriam: Prof. Vern Albertson
8. Approval of the minutes of the 2014 GM and NAPS meetings
   a. Suryanarayanan provided an edit on officers of research subcommittee
   b. Johnson mentioned that the NAPS 14 minutes were actually notes, since that meeting did not have quorum.
   c. Moved by: L. Bohmann
   d. Seconded by: Ramakumar
   e. Unanimous approval

9. Editor’s report on paper reviews
   a. 5 conference papers rejected; 2 conference papers accepted for GM 2015. (Brahma)
   b. 4 transactions papers presented at GM 2015.
   c. Pahwa mentioned impact of education, data, and pedagogy as important review aspects for papers submitted to the Special Section on education in TPWRS. If these were not met, papers were rejected.
   d. Crow: Publications open forum on Tuesday. Crow will give a presentation followed by Q&A

10. Secretary report on membership list and officers' updates
    a. About 75 active members

11. Program manager talk by Dr. Kishan Baheti (NSF)
    a. Recognized previous program managers in the audience
    b. Director position opening up in NSF to replace El-Ghazaly
    c. For other details, see Baheti’s slides (attached)
    d. Things to note: international collaborations within NSF projects; Smart Cities is an emerging topic; 2 workshops to be held in November 2015 on the Smart Cities topic; open/remote access test beds is another topic of interest.

12. Subcommittee reports and requests for inputs on future activities:
    a. Awards: Ajjarapu
       i. Best paper IEEE PES PEEC: Santoso, Muljadi, et al., “Designing and integrating wind power resources”
       ii. 7 certificates of appreciation were handed out to outgoing subcommittee chairs: Nwankpa (Research); El-Sharkawi (Awards); Zareipour (University Education); Tate and Srivastava (Career Promotion), Nair (LLLC); and Suryanarayanan (Students Activities)
       iii. Distinguished Service Award for outgoing PEEC chair: Pahwa
    b. Career promotion and workforce development: Kushalani-Solanki
       i. Cecchi (vice chair); Ramteen (secretary)
       ii. 4 attendees on 7/27/15; 1 panel on 7/27/15 on the topic of CPS modules
       iii. Suggested panel topic for GM 16 on ‘extent of job readiness of students for industry and academia and industry input to academia on curriculum’
       iv. Mentorship for young faculty – FAQ guide for navigating PES, listservs; followed by webinar; linking with PES Young Professional Event (GM2016)
       v. New volunteers for secretary-elect are being sought
       vi. Webpage update is in progress
       vii. Dennis Ray/Sauer to address the creation of WG on PES CAREERS within the subcomm
       viii. Sauer moved to create a WG called PES Careers WG in subcomm; Brahma seconded. Passed with unanimous approval
       ix. WG to be staffed in the future
       x. Hardev Juj recognized Dennis Ray for contributions to this subcommittee’s scope
c. Life-long learning: (Kamalasadan)
   i. O&P changes put tutorial/webinars/plain talks under purview of this subcomm
   ii. Process streamlined for tutorials
      1. Deadline for tutorials is Aug 3, 2015
      2. Works with PES Excom, VP for Education for selecting tutorials
      3. 2016 tutorials to offered at both T&D and GM
      4. ISGT: 4/6 tutorials offered. 79 attendees (54 in last iteration)
      5. GM: 12 tutorials. 30% increase in this year
      6. Committee officers: vice chair (Hamid); secretary (Mandal); sec-elect (Cecchi)

d. Research: Strunz
   i. Johnson provided update from subcomm meeting
   ii. Program manager outreach at NSF, DoE is planned. Nwankpa is the point person. Mitra also offered to help
   iii. Allotted 4 panels of 4 hours each in GM16
   iv. New secretary: Le Xie; Lingling (VC); Mitra (Chair)

e. Student meetings activities: Srivastava
   i. 270/360 students supported (because no T&D in 2015)
   ii. Faculty survey results used to change selection criteria
   iii. 200 poster participants: No cash prizes; only certificates
   iv. Srivastava rotates out; Jignesh Solanki (Chair); Aaron St-Leger(VC); Valentina Cecchi (sec)
   v. Discussion on registration fee increase and SFI luncheon tickets ($75K from Grainger; matched by $75K from PES)
   vi. Noel Schulz: PEEC should draft an idea on budget and approach PES Financial Comm; Scholarship Plus has an investment of $1.5M. Other investments are difficult to generate; use survey results to provide info on student growth. Another survey or feedback on where students have landed will provide useful data for this request. Asking for IEEE/PES membership info of former student program support recipients may help establish the long-term usefulness of this program.

f. University education activities: Islam
   i. Dhople (VC); Christine Chen (Sec)
   ii. 2 panels on Wednesday
   iii. 2016 activities; Sauer and Domínguez-Garcia are proposing a panel on e-learning; Karady is proposing a panel on lessons learned in lab teaching for distance education in power engineering; Saha is proposing a panel on benefits of learning in classroom
   iv. Int’l component of US faculty survey: Subcomm is seeking volunteers in key countries
   v. Sauer: PEEC survey website has slides; huge PDF with data; and summary points.
   vi. Next survey: WG to figure it out. 2016 suggested as target.

13. Reports from PEEC representatives/liaisons to other organizations
   a. None

14. PEEC web page:
   a. migration to IEEE server; needs a volunteer to help with this process

15. Dates for Future Conferences and Meetings
   a. NAPS 15 – October 4-6, Charlotte NC
   b. ISGT 16 – Sep 6–9, 2016 Minneapolis, MN
16. Proposed Plans for GM16
   a. July 17-21, Boston
      i. To be addressed: new WGs formed
      ii. 1 Career; 4 research; 3 University Education; an additional panel idea was
          suggested by Z. Qiu (Univ. of Central Florida) from the GEARED consortium.
      iii. Deadline for T&D: August 10
      iv. Deadline for GM: November 21
      v. Panels at GM: 4x4 hr; T&D is an option for additional panels.

17. Old business
   a. PEEC Survey Feedback: Dennis Ray
      i. Student interest doubled since 2006
      ii. More international interest
      iii. Undergraduates and part timers are domestic
      iv. Faculty ranks are balanced; still senior heavy. 40% in next 10 years are
          retirement eligible
      v. Research $: positive short term outlook; Heavy government dependence (risk
          factor)

18. New business
   a. Election of new secretary
      i. Jerry Heydt (ASU) to coordinate via emails
      ii. Suryanarayanan nominated Anurag Srivastava (accepted)
      iii. Sauer nominated Nirmal Nair (declined)
      iv. Nair nominated Sukumar Kamalasadan (accepted)
      v. Email PEEC membership
   b. PES Careers: Dennis Ray

19. Adjourned at 12:03PM

Respectfully submitted,
S. Suryanarayanan
Fort Collins, CO
August 4, 2015