Meeting Notice and Agenda
IEEE/PES Power Engineering Education Committee

Main Meeting
Tuesday, July 29, 2014
2014 IEEE/PES General Meeting – National Harbor, MD
10AM-12PM
Chesapeake 9

Minutes

1. Meeting started at 10AM
2. Introduction of attendees: a total of 47 members/guests attended (based on sign-up sheet)
3. Announcements by Johnson
   a. PEEC events to attend at the PES GM 14: Tutorials, Panels, Paper, and Poster sessions
      i. Tutorials:
         Three half-day tutorials, ten full-day tutorials co-sponsored by PEEC.
      ii. July 28 (Mon):
          1. 4–6 PM, Chesapeake 2, Global Experiences in Attracting Quality Undergraduates in University Power Engineering Programs through Innovative Approaches. Panel • Islam.
          2. 5–8 PM, Prince George's Exhibit Hall DE, Poster Session.
      iii. July 29 (Tues):
            1. 730–930 AM, Prince George's Exhibit Hall E (with Attendees Breakfast), Student Poster Contest.
      iv. July 30 (Wed):
            1. 8–10 AM, National Harbor 7, Existing and Proposed Power Systems Laboratories for the Undergraduate Curriculum. Panel • Chowdhury.
      v. July 31 (Thu):
            2. 1–5 PM, Potomac 2, Faster than Real-time Dynamics Simulation. Panel • Flueck (co-sponsored by PEEC).
4. Recognition of award winners By Johnson:
   a. IEEE Medal of Honor
      • B. Jayant Baliga
   b. IEEE PES Charles Concordia Power Systems Engineering Award
      • Joe Hong Chow
   c. IEEE PES Prabha S. Kundur Power System Dynamics and Control Award
      • Peter W. Sauer
   d. IEEE PES Outstanding Power Engineer Educator Award
      • Ali Abur
   e. IEEE PES Outstanding Young Engineer Award
      • Shay Bahramifard
   f. IEEE PES Nari Hingorani FACTS Award
      • Ned Mohan
   g. IEEE PES Prize Paper Award: “Probing the Intermittent Energy Resource Contributions from Generation Adequacy and Security Perspectives.”
      • Wijarn Wangdee and Roy Billinton
   h. IEEE PES Student Prize Paper Award in Honor of T. Burke Hayes
      • Aditi Upadhyay and Lei Wu (Advisor)
5. Approval of the minutes of the 2013 GM and NAPS meetings
   a. Motioned by Sauer; seconded by Pahwa; passed unanimously.
6. Editor’s report on paper reviews –
   a. Pahwa provided an update on the TPWRS special section on education. 110 abstracts were received of which 47 were invited for submission of full papers. 35 submissions were received of which 15 papers were successful in publication. Pahwa mentioned that reviewers found that most of the papers were missing the educational/pedagogical impact in their contributions. He also mentioned that the 20 papers that were not successful might possess the potential for resubmission in future issues dedicated to education. Pahwa mentioned that the last TPWRS issue with a special section on education has 14 papers; and that the trend slowed to 0 papers on this topic in the period 2011–2014. The EIC of TPWRS (Conejo) has conveyed an interest to Pahwa in increasing the frequency of such special sections on education to once every 5 years. Crow encouraged the nomination of one of the published 15 papers for the prize paper.
   b. Johnson provided an update on PEEC papers in conferences. Very few papers came through PEEC for the PES conferences. Most of the submissions were research papers from international universities. For the T&D 2014, three out of the seven submissions were processed by PEEC after reassignment to an appropriate committee. For the GM 2014, one out of the four submissions was processed by PEEC after reassignment. Johnson also explained about the panel papers in PES conferences as there was some confusion about paper submission for panels. Pahwa explained the different categories for the recommended papers in conferences as ‘best papers’, ‘short presentations; and ‘posters.’ Acceptance rate is ~50%. There was some discussion on bringing back the 2-3 page panel papers for archival purposes.
7. Secretary report on membership list and officers’ updates: Suryanaryanan deferred to the subcommittee reports for further details on officers’ updates.
8. Subcommittee reports and requests for inputs on future activities:
   a. Awards: Ajjarapu
      i. Ajjarapu listed the names of the outgoing chairs for recognition. No certificates were handed out at this meeting as the deadlines were missed due to some delay in correspondence with the PES office. Crow and Sauer indicated that they might be able to help speed the process up if they are copied on such correspondence. Sharkawi mentioned that the new officers for this subcommittee were: O’Malley (vice-chair) and W-J. Lee (secretary).
   b. Life-Long Learning: Kamalasadan
      i. Nair mentioned the new structure, scope, O&P changes are in full effect. All tutorials and webinars offered by PES are now under the purview and quality control of this subcommittee.
      ii. Steady increase in participants as well as number of tutorials (338 at GM’14), plain talk (90 in 2014), and webinars. 2-3 tutorials with low enrolment were cancelled. The number of tutorials has increased almost 4 times from 2012. Clarification on education track being part of the LOC’s scope and not LLLC was provided. August 15 is the deadline for tutorials; application is online.
      iii. Kamalasadan is the new incoming chair; Zareipour (vice-chair); Mandal (secretary); and Cecch (secretary-elect).
   c. Career Promotion and Workforce Development: Tate
i. A panel on ‘training new engineers’ offered at T&D was a success, with standing room only.
ii. Tate mentioned a lack of attendance at the SC meetings as an issue. It was suggested that holding the SC meeting bi-annually at the T&D might be an alternative. Schulz suggested ISGT as an annual alternative.
iii. Two panels were proposed by this SC: a) Educational resources for CPS (Kushalani-Solanki); and b) Mentoring of new hires.
lv. Kushalani-Solanki is the new incoming chair; Cecchi (vice-chair); and Hadidi (secretary).
d. Research: Strunz
   i. Officers: Strunz (chair); Fan (vice-chair); and Mitra (secretary).
   ii. Reported about active hiring in the power area across universities
   iii. Reported about automatic updating of information in the university research capabilities database.
   iv. Help for new faculty to write successful proposals was mentioned as a potential topic of interest. Schulz mentioned an action item on a panel on CAREER proposal preparation.
   v. The Research SC envisions a stronger role in promoting university research relations with funding agencies.

e. Student Meeting Activities: Srivastava
   i. Srivastava (chair); Solanki (vice-chair); and St. Leger (secretary).
   ii. 231 posters and 240 students (out of 400 applications) were supported in the hotel program.
   iii. Srivastava reported that the increase in submissions and constraints on the budget for the operation of the SC is making the availability of support competitive. There was some discussion on approaching other agencies in addition to PES for more support. Sauer suggested decreasing the student poster prize amounts.
   iv. How to split the support among Ph.D., M.S. and B.S. students was discussed.
   v. Committee members decided to act on this issue via an online poll later in the fall 2014 semester.
f. University Education Activities: Dominguez-Garcia
   i. Dominguez-Garcia (chair); Kyriakides (vice-chair); and Islam (secretary). No rotation yet; new secretary Dhople.
   ii. 2 panels were sponsored by this SC in GM’14 (Chowdhury and Islam); and one panel was sponsored by this SC in T&D’14 (Bloomsack).
   iii. Activities for 2015: panel by Gai and Islam on University-industry resource creation for power engineering research and education; this panel may be coordinated with the pending NSF workshop before GM’15. Chowdhury may be interested in re-offering the panel from GM’14.

G. Setti, 2013 IEEE VP of Publication Services and Products gave a presentation on the use and misuse of Impact Factor in journals. He mentioned that none of the PES transactions were identified as problematic, even though some other IEEE transactions may have these problems.

T. Heidel, program director, ARPA-E/DOE gave a short talk on the very high risk high impact research proposal needs in the areas of energy efficiency, biofuels, power systems. He mentioned the need for forming teams consisting of universities, industry, and national labs, with hardware and software components as well as larger test systems with utility-provided data sets for successful proposals. Like in 2009 and 2012, there may be a wide-open solicitation in ARPA-E in 2015.

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

Dates for Future Conferences and Meetings
   a. NAPS 14 – Sep 7–9, 2014 Pullman, WA
   b. GM 15 – Jul 26–30, 2015 Denver, CO
c. NAPS 15 – Dates TBD, Charlotte NC
d. ISGT 16 – Feb 18–20, 2015 Washington, D.C.
e. T&D 16 – May 3–5, 2016 Dallas, TX

13. Proposed Plans for GM15
   a. None

14. Update on NSF PEEC Power and Energy Education Workshop Jul 26–27, 2014, Arlington, VA – Pahwa. The NSF workshop on Power and Energy Education was held on July 26–27, 2014 at the Westin Arlington Gateway hotel. 65 participants attended. Discussions on MOOCs, challenges of fitting educational portions in a NSF proposal, and balancing research with education workload of faculty were conducted. Results of the PEEC survey on education/university resources in the US and Canada were presented here. This workshop may be continued, pending interest and availability of sponsoring funds from NSF. at/prior to the IEEE PES GM 2015 in Denver, Colorado. This will be advertised via PEEC, Power globe, US-faculty listserv, and CPS-VO to avoid missing potentially interested participants.

15. Old business
   a. Status of PEEC Survey on Education Resources – Brahma, Ray
      i. None
   b. Smart Grid Course certification – Sauer
      i. None

16. New business
   a. None

17. Adjourned at 12:15PM.

Respectfully submitted,
-S. Suryanarayanan
Colorado State University