

Minutes of the IEEE – Power Engineering Society

Power Engineering Education Committee – Main Meeting

Tuesday, June 26, 2007
Tampa, Florida

The PEEC Main Meeting convened at 2:00 pm in Room 23 of the Convention Center in Tampa, Florida at the 2007 PES General Meeting.

Members and guests present: List attached

The meeting opened with introductions and a welcome from the chair.

Announcements:

Vijay Vittal listed the PEEC sponsored panels, papers and poster sessions at GM07 and urged members to attend. He also announced the following awardees:

- Outstanding Power Engineering Educator: Dr. Goran Andersson
- Walter Fee Outstanding Young Engineer: Dr. Karen Miu
- Charles Concordia Power Systems Engineering Award: Mr. Richard Farmer
- Nari Hingorani FACTS Awards: Dr. Ani Gole
- IEEE Fellows (PEEC members): Claudio Canizares, Wei-Jen Lee
- NAE members

The minutes of the 2006 GM and NAPS meetings were approved. (see attached)

Vice-Chair Report: Mariesa Crow reported that 15 papers were submitted to PEEC in the past year (June 2006 - June 2007), 2 were accepted, 6 rejected, 4 in revision, and 3 in review. Mariesa also gave the deadline dates for the GM07 panels and paper submittals: submission site opens Nov 5, closes Dec 17, and notification received in early March 2008.

Also from the TCPC meeting, she reported that meeting rooms were a problem at this year's GM. The acceptance rate for GM conference papers was 85%. The review site may be revised to perhaps lead to a more stringent review. There should be no room issues for Pittsburgh. However Calgary may have a problem with limited space.

Secretary Report: Karen Butler-Purry reported on the membership list and officer updates, and listed the open officer positions. (see attached)

Subcommittee Reports:

Awards: Ward Jewell presented the Outgoing chair award to Anil Pahwa. The other 2007 PEEC awards will be presented at next years meeting due to miscommunications.

Life-Long Learning: Siri Varadan reported that there were 4 tutorials at the PSCE conference and all offered CEU credits. Also the subcommittee worked on three things during the past year: (1) Updated the procedure for tutorials and CEU credit; (2) Updated operating procedures for tutorials, particularly how CEUs will be awarded. Also enrollment will be evaluated by a certain date. If there is not sufficient enrollment, then the course will be cancelled; (3) Developed an official surplus sharing agreement for tutorials with PES. Instructors will receive some type of

compensation. If there is a surplus, 50% will be shared with the instructors. 6 tutorials are being held at GM07 and all are CEU certified.

In response to questions from the audience, Siri stated that mini-tutorials are still possible. It just so happened that all proposals for this year were for full-day tutorials. Also he stated that the timeline will be posted on the SC website. Further he said that since the selection occurs within the technical committees, the LLL subcommittee's job is to schedule all tutorials that are submitted by the technical committees. Lastly Siri stated that the tutorial booklet and materials will be distributed to the attendees only.

Career Promotion and Workforce Development: Alex Flueck reported that the subcommittee had worked on two major activities during the past year: (1) Developed Pathfinders website of annotations. The SC is seeking volunteers to maintain the links; (2) Organized a Power Industry Workforce of the Future panel which is being held at the GM07. Also Alex stated that he will be working to move the streaming video of the Career Promotions videos from the University of Washington website to a PES site. A panel on K-12 outreach efforts will be organized for GM08.

Further it was mentioned that Wanda Reder plans to add a new Vice-President tasked with workforce issues. Dennis Ray mentioned the new website on Power careers. They are currently beta testing it. Keyword: PES-Careers

Research: Tom Overbye reported that a main action of the subcommittee was to have the North American Power Symposium formally made a technically co-sponsored conference by IEEE PES. The SC plans to organize 4 panel sessions for GM08: Repeat of Gerry Heydt's panel on Sustainability; Dagmar will organize a panel on NSF Faculty Early Career and ONR Young Investigator Program programs; George Karady will organize a panel on International Power Labs; and Felix Wu will organize a panel on Research in China and/or East Asia

Dagmar gave an update on the large NSF Renewables initiative: Emerging Frontiers focusing on resilient and sustainable infrastructures (multidisciplinary). \$2 mil/4 years and 4-5 projects will be funded. Power is back in the name of the NSF Program again: Power, Network, and Adaptive Controls. Proposals have an overall 16% acceptance rate. Awards are funded at approximately \$100k for unsolicited proposals, 2-3 years.

Student Meeting Activities: Joydeep Mitra reported that there were 143 sponsored students. 77 posters accepted and 9-10 no-shows. Winners will be announced at the student/faculty/industry luncheon. Sid commented that most of the no-shows were international students. Joydeep spoke about the problems with coordinating with the Local Organizing Committee (LOC). Denver was the last GM where they had good coordination. They had some success with T&D and PSCE. The Tampa LOC rep did not even reply to Joydeep until shortly before the meeting. There were discussions that the SC might consider moving the deadline up to accommodate the international students need to secure a visa.

University Education Activities: Jeff Selman reported that a draft of the 2005-2006 Electric Power Engineering Education Resources Report was reviewed and discussed with the group. There were no changes recommended. This report is produced by the PEEC Working Group on Educational Resources and the survey results are reviewed at odd-year general meetings. Student mentoring is important and will impact the future of IEEE/PES. The SC determined that more mentoring of undergraduate students attending PES meetings is necessary. Competitions and other incentives to attend PES meetings should be explored. The SC decided that if the Wednesday Panel Session on "Modernizing the First Course in Power Systems" is successful and well attended that another panel session titled: "Current Curriculum Practices in Power

Engineering” will be organized for the 2008 IEEE/PES meeting in Pittsburgh. Hamid Zareipour from the University of Calgary agreed to chair this panel session.

There were questions about whether the survey questions are adequate for today. Jeff encouraged members to review the survey and communicate their suggestions to Jim McCalley. The most recent survey is scheduled to be published in the August Transactions. Vijay pointed out that one of the significant findings in the upcoming results is the major decrease in the number of assistant professors in power. There were extensive discussions on the reasons behind the declines in new power faculty.

Reports from PEEC representatives to Other Organizations:

Gerry Heydt gave an update on the secretary election. Nominating committee includes: Bill Rosehart, Bernie Lesieutre, and Gerry Heydt. There were 5 nominations. The committee was charged with putting forth 3 candidates. The candidates are: Tom Overbye, Joydeep Mitra, and Anil Pahwa. The last date to vote is the Friday before NAPS (Sept 28th). Ballots will also be accepted at NAPS until Oct 1. Votes will be tallied on Oct 1st and announced on Tuesday at NAPS.

Old Business:

Ned Mohan talked about their efforts at University of Minnesota with a curriculum on “Integrated Electric Energy Systems” being taught by 2 faculty.

New business:

NAPS07: Joydeep Mitra stated that papers are being accepted for NAPS07. He discussed the planned program. Further he stated that funding will be available for student support and there will be a student paper contest.

T&D08 and GM08: Student support will be available.

NAPS08: Bill Rosehart gave the dates: Sept 21-23, 2008, Calgary.

Discussion of Long Range Planning Document: Update from Vijay. One of the offshoots has been the job website. Also there will be an NSF funded workshop on Nov 15-16, 2007 on Future Power Engineering Workforce.

The meeting was adjourned at 3:30 pm.

Respectfully submitted,
Karen Butler-Purry

In Attendance:

1. Kankar Bhattacharya
2. Sukumar Brahma
3. Karen Butler-Purry
4. Badrul Chowdhury
5. Mariesa L. Crow
6. Fred Denny
7. M.E. El-Hawary
8. Ali Feliachi
9. Alex Flueck
10. Jeff Giesey
11. Adly A. Girgis
12. G.T. Heydt
13. Ward Jewell
14. Elias Kyriakides
15. Zuyi Li
16. Elham B. Makram
17. Joydeep Mitra
18. Ned Mohan
19. John Newbury
20. M. Hashem Nehrir
21. Dagmar Niebur
22. Thomas J. Overbye
23. Anil Pahwa
24. M. A. Rahman
25. R. Ramakumar
26. Satish Ranade
27. N.D.R. Sarma
28. Peter W. Sauer
29. Jeff Selman
30. Mohammad Shahidehpour
31. Chanan Singh
32. Anurag Srivastava
33. S.C. Srivastava
34. Siddharth Suryanarayanan
35. Siri Varadan
36. Ganesh Venayagamoorthy
37. S.S. Venkata
38. Vijay Vittal

Power Engineering Society President
Reder

VP for Technical Information Services Activities
Shahidehpour

VP for Education/Industry Relations Activities
*Kundur**

Editor in Chief
IEEE Trans. On Power Systems
Vittal

Power Engineering Education Committee
C: *Crow**
VC: *Butler-Purry*
S: *Pahwa*
PC: *Vittal**

Awards & Recognition Committee
Butler-Purry

Assoc. Editor for PEEC
IEEE Trans. On Power Systems
Butler-Purry

Outstanding Power Engineering Educator Award
C.C. Liu

Power Systems Basics SC
Fred Denny

Walter Fee Outstanding Young Engineer Award SC
Meliopoulos

Student Meetings SC
C: *Rosehart*
VC: *Venayagamoorthy*
S: *Suryanarayanan*

Awards SC
C: *Jewell*
VC: *Abur*
S: *El-Sharkawi*

PEEC Liasons
EAB – *El-Hawary*
P&E Mag – *Sauer*
TCPC – *Crow*
ETLC – *Pahwa*
IAS – *Pillay*
IEEE Press – *Varadan*
ABET - *Heydt*

Career Promotion and Workforce Develop SC
C: *Jones*
VC: *Ranade*
S: *open*

Prize Paper WG
Abur

Life Long Learning SC
C: *Brahma*
VC: *Stamp*
S: *N. Nair*

Student Prize Paper WG
Smolleck

Fellows WG
Jewell

University Education SC
C: *B. Chowdhury*
VC: *H. Zareipour*
S: *open*

Research SC
C: *Niebur*
VC: *Johnson*
S: *Nwankpa*

Power Globe WG
C: *Johnson*
VC: *Mork*
S: *open*

Educational Resources WG
McCalley

NAPS WG
2008 *Rosehart*
2009 *Schulz*

PEEC Web Site WG
Bohmann

University Research Capabilities WG
Crow

Meeting Notice and Agenda

IEEE/PES

Power Engineering Education Committee Main Meeting

Tuesday, June 26, 2007

2007 IEEE/PES General Meeting – Tampa, Florida

2:00 – 4:00 PM

Room 23, Convention Center

Agenda

1. Introduction of attendees
2. Announcements
PEEC events to attend at Tampa: Panels, Paper and Poster sessions
Recognition of award winners:
 - Outstanding Power Engineering Educator:** Dr. Goran Andersson
 - Walter Fee Outstanding Young Engineer:** Dr. Karen Miu
 - Charles Concordia Power Systems Engineering Award:** Mr. Richard Farmer
 - Nari Hingorani FACTS Awards:** Dr. Ani Gole
 - IEEE Fellows (PEEC members):** Claudio Canizares, Wei-Jen Lee
 - NAE members**
3. Approval of the minutes of the 2006 GM and NAPS meetings (Copies attached)
4. Vice-chair report on paper reviews
5. Secretary report on membership list and officers' updates
6. Subcommittee reports and requests for inputs on future activities:
 - Awards: Jewell
 - Life-Long Learning: Varadan
 - Career Promotion and Workforce Development: Flueck
 - Research: Overbye
 - Student Meeting Activities: Mitra
 - University Education Activities: Selman
7. Reports from PEEC representatives to other organizations
8. Old business:
9. New business:
 - NAPS07, T&D08, GM08, NAPS08
 - Discussion of Long Range Planning Document
10. Adjourn