

Minutes of the PSACE Technical Committee Meeting

IEEE PES General Meeting, Pittsburgh

June 23, 2008

The meeting was attended by Roger Dugan, Kevin Tomsovic, Dagmar Niebur, Sando Carneiro, Ross Baldick, Alex Schneider, Daniel Kirschen, Chen-Ching Liu, Chan-Nan Lu, Stephen McArthur, Joseph Mutale, Ron Chu, Mark O'Malley, Tom McDermott, Ali Abur, Lamine Mili, Karen Miu, Edwin Liu, Jong-Keun Park, Steve Miller, Germano Lambert-Torres, Chris Mensah-Bonsu, Joydeep Mitra. Francisco Galiana was represented by Jose Restrepo.

The meeting was chaired by Roger Dugan.
Minutes taken by Sando Carneiro.

- Introductions.

The Minutes from the 2007 Meeting in Tampa were approved

- **Chair's Report, R. Dugan:**
 - Attendance at this meeting is 2200, which is a GM record and almost as large as the larger Winter Meetings in the old format.
 - Next GM is in Calgary, 26-30 July 2009. John Paserba is trying now to place the next three GM meetings all at once.
 - PSCE 2009 will be in Seattle; Papers are due first week of September
 - Next T&D is 10-12 April 2010 in New Orleans. The 3-day format is preferred by vendors and was quite successful. Over 14000 attended in Chicago.
 - There were approximately 500 attendees at the Winter Technical Meeting in San Antonio. The next one is likely 11-15 January, 2009 in Atlanta.
 - 2009 is 125th anniversary of PES. Use this as an opportunity for promotion.
 - Intelligent Grid Coordinating Committee was formed. Edwin Liu and Karen Miu have volunteered to share liaison duties.[Chair's opinion: The coordinating committee as adding to the overhead of operating a Technical Committee.]
 - Henry Louie - Seattle University is updating the PES website. There is a new logo, and hopefully, a new template we are to use. The chair has received a JPEG of the new logo.
 - At the proposed retreat in Denver this Fall, each committee is to provide one representative. Right now the candidates are the Chair or Dagmar Niebur. Only T&D will have two representatives.
 - Mel Olken needs an article describing what PSACE is about.
 - Standards folks (Tom and Andy) should contact the IEEE SA folks regarding dual logo IEEE/IEC standards.

- Another new coordination committee: Marine Systems Coordinating committee. This will impact at least two or three PSACE SC's and supposedly there will be a need to establish liaison.
- Tom Overbye will continue to attend the Emerging Technologies coordinating committee, but it is unclear what we should do about this committee and are tabling action until clarified.
- The Transactions on Power Systems needs two more editors, preferably from industry to get more diversity.
- Websites should be updated with new logo by end of year.
- Main goals for 2008
 - Updating of websites with new logo by end of year
 - Establishment of test cases
 - Beginning to develop a Wiki for some PSACE activities
- **Vice-chair's Report, K. Tomsovic:**
 - O&P modifications on-going and there is a variety of proposed restructuring that is being discussed. Nothing has yet to be finalized.
 - Mentioned important to nominate representative on the Smart Grid as they had many overlapping activities. We need to nominate an official PSACE rep (Tomsovic has been attending for now).
- **Secretary's Report – Sando Carneiro**
 - Distinguished Service Award was given to Dagmar Niebur
 - The Multi-Agent Systems Working Group was awarded the “IEEE PES Technical Committee Working Group Recognition Award”
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 - New Committee Member Nominations:
 - Lina Bertling
 - Ian Dobson
 - Joydeep Mitra
 - Sukumar Brahma

Sub-Committee Reports

(For further details refer to individual SC Reports on Webpages)

- **RRPA, Alex Schneider**

Referred to lots of conflicts in the sessions at this meeting. No new WGs or TFs have been proposed.

- **DSASC, Tom McDermott and Karen Miu**

DSASC has organized a IEEE WG to develop IEEE Standard on “Recommended Practices for Distribution Systems Analysis”, to be chaired by Tom McDermott

The two Panels organized by the SC were well attended. One Panel is proposed for PSCE2009 and two for GM2009.

The following Panels are proposed:

PSCE 2009:

1. *Trends in Distribution System Analysis and Design* – Chair: Tom McDermott, Kevin Schneider will help.

GM 2009:

1. *Distribution Feeder Modeling* – Chair: Kevin Schneider.
2. *Distribution System Analysis for Operations* – Chair: Karen Miu.

- **ISA, Dagmar Niebur**

1. Working Groups and Task Force Activities

- Working Group on Multi-Agent Systems (Chair – Steve McArthur): 29 people in attendance at the WG meeting held at the GM08. The WG has published a two-part Technical White Paper in the IEEE Transactions on Power Systems (Nov. 2007 issues). Two task forces are created in the WG – TF on Agent Research and Applications in Power Engineering activities, chaired by Ferdi Ponci, USC 2. Task Force on Agent Ontologies for Power Engineering
- Working Group on Intelligent Data Mining and Analysis (Chair – Germano Lambert-Torres): 11 people attended the meeting. The WG plans to have a transaction paper written by the end of this year based on its activities. The WG will host a panel on “New Technologies in Data Mining Power Systems” at the PSCE09 in Seattle and a panel on “New Applications of Intelligent Data Mining Power Systems: at the GM09 in Calgary.
- Working Group on Intelligent Control Systems (Chair – Ganesh Kumar Venayagamoorthy): 29 people were in attendance at the meeting. The WG organized a panel on the applications of intelligent techniques for distribution system control at GM08. A call for book chapters for edited books on the topic of the GM08 panel is out and abstracts are to be received by Oct. 1, 2008. The two edited books focuses on Electric Power Generation and Electric Power Transmission are in progress and publication is planned for 2009. A panel is planned for GM09 on the Practices of Intelligent Control to be co-chaired by David Cartes and Siddharth Suryanarayan.
- Task Force on Intelligent Fault Management (Chairs– Mo-Yuen Chow and Mladen Kezunovic): 12 people attended the TF meeting. The importance of coming with a format for reporting faults was discussed.

A panel session on “Requirements for automated fault reporting” has been proposed to be held at GM09.

- Task Force on Modern Heuristic Optimization (Chair – Kwang Lee and Istvan Erlich): 10 people attended the TF meeting. The TF is hosting a panel on “Application of Heuristic Methods to Power System Optimization under Uncertainties”.
2. Other Technical Activities: the Chair recommended that the following activities should be considered for future activities
- Align activities with the super sessions that now provide the themes of the conferences and meetings.
 - Publish the state of the art papers as done by the WG on Multi-agent Systems
 - Organize tutorial activities initiated by the WGs and/or TFs.
 - Publish a book on the state of the art as proposed by the WG in Intelligent Control Systems
 - Participate in standards activities as needed on the WG and TF level.
3. Chair transition: Dagmar Niebur will step down as the ISSC chair January 2009. Incoming chair is the current vice-chair Stephen McArthur, incoming vice-chair is the current secretary Ganesh Kumar Venayagamoorthy. The incoming secretary position is open.

- **SE, Ross Baldick**

The attendance at the SE meeting was 39 members.

1. Task forces/working groups:
- Test System for Economics WG – Christian Schaffner (schaffner@eeh.ee.ethz.ch) held the working group on Monday (6-7pm) for the second time. He plans to have a web site to collect the data.
 - Coordination of Test Cases WG - Daniel Kirschen reported that the goal of this WG is to ensure consistency with data need for economics, reliability, dynamic and other studies.
 - Develop a Wiki of Economics Terms WG – Francois to chair this WG.
 - Sustainable Energy Systems for Developing Countries TF – Joseph Mutale is chair. The TF will focus on a three year time scale. There are 12 members from various countries.
2. System Economics sponsored panel and paper sessions:
- Microgeneration: Potential, Impacts, and Network Charges: Furong Li (chair) reported that there were 40-50 attendees. The interest was high. There will be many research challenges.
 - FTR/CRR Allocation/Auction Strategies and Methodologies: A Market Participant Perspective (Alex Papalexopoulos, Chair): Peter Son

reported on this panel. There were 40-50 attendees. There was good discussion.

- Modeling Long Term Market Dynamics: J. Barquin reported that it was well attended. The models were different from each other.

3. Panel sessions for GM2009: no less than 16 Panels were suggested for GM09. Please refer to SE Home Page for further details

- **CAMS, Daniel Kirschen**

The meeting was attended by 25 members.

1. Proposal for new Task Forces and Working Groups :

- Task force on cyber security, Chair Manimaran Govindarasu. The main focus of this task force should be on the modeling of the Cyber-Physical interface, to avoid overlap with PSCC committee activities in this area.
- Task force on power system CIM modeling, Chair Enamul Haq of CAISO.
- Task force on benefits of open source software for PES, Chair Leigh Tesfatsion of Iowa State University.
- Working Group on Test Systems Coordination, Chair Lina Bertling of Svenska Kraftnät
- This WG should encourage the various task forces to put their test systems in a common or various formats, coordinate the activities with CIGRE activities, and provide a mechanism for researchers to contribute new data. It should also consider the need to have both large and small test systems

2. Report from the Task Force on Cascading Failures

This TF currently has 27 members (11 from industry, 16 from academia). The first task identified by this TF has led to the preparation of a paper that was presented at a panel session organised by the TF on Wednesday afternoon. The task force is working on the preparation of another paper.

3. Appointment of a Secretary:

Dr Ivana Kockar of Strathclyde University has generously accepted to become the secretary of CAMS.

Meeting adjourned

Respectfully submitted by Sando Carneiro

March 15, 2009