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**IEEE-PES-PSACE Committee Meeting
General Meeting 2009**

**Wednesday, July 29, 2009, 12:00 - 13:00
Calgary, CA, Fairmont Hotel– Canadian Pacific Room**

Minutes

1 Welcome and Introductions

The following new members introduced themselves: Steve Miller, Ivana Kockar and Lina Bertling.

2 Approval of PSCE09 Meeting Minutes

The minutes of PSCE09 were approved.

3 Past Chair's Report – Roger Dugan

Webpage: The Web Site Re-Design Committee is in the process of developing a template for all committee web sites. In the meantime, all Committees and Subcommittees are strongly encouraged to update their web pages by including the new green logo of the Power and Energy Society and by uploading the most recent minutes, list of working groups and task forces and other notable activities. Officers should have email up on the web; members should be listed by names but without emails.

4 Chair's Report – Kevin Tomsovic

Chair reported on the technical council activities. Two new journals have been established, both intended for cross-society contributions.

1. IEEE Transactions on Smart Grid, editor-in-chief Mohammed Shahidepour, IIT
2. IEEE Transactions on Sustainable Energy, editor-in-chief Saifur Rahman, Virginia Tech

Steve Miller asked for information on how the formal process to appoint editors to the editorial boards of the new transactions will be conducted. Is there an overseeing committee? Will there be an appointee from our committee? Can PSACE be proactive and contribute to the determination of the procedure?

PSACE chair Kevin Tomsovic will talk to PES Vice President, Publications Shahidepour about the editor selection process. Stephen McArthur, Karen Miu, Edwin Liu, and Lina Bertling volunteered to participate in editorial activities on behalf of PCAN.

The chair solicited reports of the coordination committees:

Intelligent Grid Coordinating Committee (IGCC): Edwin Liu reported on IGCC activities; he noted that only technical activities, no administrative activities were discussed at the 2009 IGCC activities; he suggested that PSACE should coordinate a panel session on smart grids.

Standards Coordination Committee: Tom McDermott reported that IEEE 2030 is a standards coordinating committee above PES, Wanda Reder is the PES representative. He suggested that PSACE appoint a liaison to join the standards board and the task force. The committee agreed that Andy Ford will be asked to represent PSACE on the IEEE 2030 standards committee.

Policy Development Coordinating Committee: Doug Logan, member of the Risk, Reliability and Probability Analysis Subcommittee (RRPA) and System Economics Subcommittee, has served as the policy development coordinating committee chair for 3 years. Today, one of the decision, was to explore whether there was a need for a policy statement on smart grid; (similar to a past energy and environmental policy statement.) Each IEEE technical committee meeting has a liaison on the policy development coordinating committee; he looks for volunteers; the first formal step will be to develop an abstract, this will be circulated.

Wind Power Coordinating Committee: No report

Emerging Technologies Committee: No report

Marine Systems Coordinating Committee: No report

5 Vice-Chair's Report – Sando Carneiro

Sando Carneiro attended the PEEC subcommittee for awards; chair is Ali Abur, student prize paper contest headed by Smollek.

The following awards were given to PSACE members and committees:

Distinguished Service Award:	Edwin Liu
Prize Paper Award:	George Gross
Working Group Award:	Kumar Venayagamoorthy

Deadlines for awards are early November. PSACE committee and subcommittees are urged to nominate papers for awards, prize papers, working group reports.

6 Subcommittees Chair Reports

6.1 Distribution System Analysis Subcommittee– Tom McDermott:

Progress was reported on the development of test cases. The task force on Recommended Practice for Distribution System Analysis has developed a Wiki which is uploaded on the entity web page ewh.ieee.org; it is available to the TF members but it is not publicly available yet.

The following panels are proposed:

T&D One panel, working title is Advances in Distribution System Analysis, Chair is Roger Dugan, 6 potential panelists have been identified.

GM 2010: 3 panels

1. Kevin Schneider Advances in Distribution System Analysis I
2. Sando Carneiro, Jr. Advances in Distribution System Analysis II (note: not presented)
3. Andrew Keane Optimal Methods for DG Integration

New TF on Distributed Generation Planning and Optimization, to be chaired by A. Keane was proposed. The scope will be emailed to the PSACE members and voted upon at the next meeting.

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6.2 Intelligent Systems – Stephen McArthur

Alex Da Silva has been appointed as the new technical secretary.

In order to increase relevance of panels and avoid overlap, these panels are jointly proposed by all working groups and task force. The following ISS panels have been proposed:

1. Stephen McArthur Deploying intelligence in the Smart Grid
2. Ron Harley Intelligent control of wind power plants
3. Kwang Y. Lee Real-time application of heuristic optimization

Additional activities were reported for the 3 working groups and 2 task forces.

6.2.1 The Data Mining (DM) WG

WG is now chaired by Zita Vale.

6.2.2 Intelligent Control Systems WG, chaired by G. Kumar Venayagamoorthy

The WG proposed a tutorial for 2011. PSACE members asked for information on outline and speakers.

6.2.3 Multi-Agent Systems (MAS) WG

Dave Cartes has been appointed as the new chair of the Working Group on Multi-agent Systems. Rotation will take place at the GM 2010.

6.2.4 Intelligent Fault Management TF, chairs Mo-yen Chow and Mladen Kezunovic

6.2.5 Modern Heuristic Optimization TF, chairs Kwang Y. Lee and Tassos Bakirtzis

The following ISS panels have been proposed:

4. Stephen McArthur Deploying intelligence in the Smart Grid
5. Ron Harley Intelligent Control of Wind Power Plants
6. Kwang Y. Lee Real-time application of heuristic optimization

Stephen McArthur suggested to identify another technical committee for a potential supersession on smart grids at the GM10 in Minneapolis.

6.3 Systems Economics - Ross Baldick

The subcommittee will meet on 7/29 in the afternoon. Its current chair Ross Baldick will become past chair. He reported on the subcommittees plans. The actual WG decisions will be emailed after the subcommittee meeting.

The following information pertaining to SES was emailed on 8/20/2010

The System Economics Subcommittee met from 4:30pm to 6:10pm on Wednesday, July 29. The subcommittee discussed proposed and current working groups. In particular, the subcommittee proposed formation of two new working groups:

- a) Demand Response & Distributed Energy Resources Working Group
- b) Network charges for embedded and microgeneration.

These WGs met at the 2009 GM, but need to receive approval from PSACE. These two are in addition to our existing working groups:

- c) Test Systems for Economic Analysis
- d) Sustainable Energy for Developing Countries

A fifth WG has decided to disband:

- e) Wiki of economic terms.

The subcommittee sponsored three panel sessions and these were reported at the meeting. Proposed panel sessions for the next GM were discussed. A new chair (Francois Bouffard) and a new secretary (Ning Lu) were elected. Lawrence Jones

6.4 Risk, Reliability, Probability and Analysis – Joydeep Mitra presented by Lina Bertling

The leadership of the committee rotated at the GM 09. Joydeep Mitra will be appointed as chair, Lina Bertling Vice-chair, and Andy Ford secretary. The committee thanks past chair Alex Schneider for his service.

The TF on Reliability of Distribution Systems chaired by Lina Bertling will focus on updating the RBTS test system.

A new TF on RTS systems has been proposed, Once finalized, the scope of the task force will be submitted to the committee for approval.

The RRPA SC made the following liaison appointments:

- 1. Wind power Coordinating committee: Chris Dent.
- 2. Smart grid coordination committee: Lina Bertling
- 3. Marine Grid Coordination Committee: vacant.

The following panels are proposed for IEEE PES GN 2010:

- 1. RRPA Panel on Reliability of cyber physical electrical systems to be chaired by Alejandro Dominguez-Garcia, University of Illinois.
- 2. Joint panel with RRPA, CAMS and ES on Test systems for economic and reliability analyses- This panel is coordinated by Lina Bertling and Christian Schnaffer (ETH Zurich), and Xiao-Ping Zhang (University of Birmingham, UK) (whom are chairing the ES WG on test systems for economic analysis)

3. A possible joint panel with Wind power coordination committee coordinated by Chris Dent University of Edinburgh.

6.5 CAMS – Daniel Kirschen: represented by Ivana Kockar

The subcommittee has four active task forces

1. TF on Power System Modelling in CIM, Chair: Enamul Haq, CAISO
2. TF on Cyber Security of Power Systems, Chair: Manimaran Govindarasu, Iowa State University
3. TF on Open Source Software (OSS), Chair: Frederico Milano
4. TF on Understanding, Prediction, Mitigation and Restoration of Cascading Failures, Chair: Pei Zhang, EPRI

A new TF on High Performance Computing for Grid Analysis and Operation (co-chairs: Zhenyu (Henry) Huang, Pacific Northwest National Laboratory and Zeb Tate, University of Toronto) was proposed by CAMS. Once finalized the scope of the task force will be submitted to the committee for approval.

The following panels are proposed for IEEE PES GN 2010:

Panels:

1. Interoperability for a Smart Grid Steve Widergreen, PNNL
2. Power System Information Modeling Using Common Information Model (CIM) Standard Enamul Haq, CAISO, US
3. Industry Experience on High Performance Computing for Power Grid Analysis and Operation Zhenyu (Henry) Huang, Pacific Northwest National Laboratory, and Zeb Tate, University of Toronto
4. The Role of Energy Storage in Smart Grid Edwin Liu, Quanta Technology, US
5. The Economics of Microgrids Daniel Kirschen, University of Manchester, UK

This is a list of the panel sessions that were proposed during the CAMS meeting. Panel 5 will be co-sponsored with System Economics Subcommittee, while Kevin Schneider from the Distribution Systems Subcommittee has been contacted for co-sponsorship of panel 4.

7 Other Business

7.1 Review/Report of TCPCs

The TCPC reports on paper statistics were already reported at PSCE 2010 and included in the minutes of PSCE 2010. They are repeated here for completeness.

7.1.1 PSCE 2009 – Tom McDermott

Tom McDermott reported a 60% acceptance rate for proceeding papers, about 80 papers were accepted 40-50 rejected (includes panel papers)

- Suggestion: synchronize reviewer list with transaction reviewers
- System to have subcommittee chairs coordinate the reviews is a good one, unfortunately the review system does not support this. (Note: this was supported much better for GM 2010)

7.1.2 General Meeting 2009 – Joydeep Mitra

- Economics had 5 panel coordinators, some first accepted and then declined last minutes.
- 250 paper and panel submissions total, 13 transactions abstracts, rest conf and panel, 108 pure conference papers were accepted; 60 rejected 60, the rejection rate thus is about 25%.

- Alex Schneider participated in TCPC meeting and received confirmation that 12 panels, 7 paper sessions will run at the GM 09.
- TCPC Joydeep Mitra planed 7 forums with 84 papers,
- Total Sessions: 43
- Panel Sessions: 12
- Paper Forum: 7
- Committee Meetings: 24

Details see appendix.

7.1.3 Discussion of Technical Papers/Sessions Issues

Motion from PSCE09: Vice-chair of each subcommittee should serve as TCPC ex officio. If the vice-chair is not available, chair and vice-chair will appoint a replacement in a timely manner.

The motion was unanimously accepted.

8 New Business

No new business was reported.

Minutes respectfully submitted

Dagmar Niebur
PSACE Technical Secretary

Appendix

General Meeting 2009: PSACE Schedule

	Event Title	Event Type	Committee	Room	Date	Session Time
1	CAMS Working Group on Test Systems	Committee Meeting	PSACE	Fairmont - Canadian Pacific Room	Monday, July 27, 2009	11:00-12:00
2	Intelligent Systems SC - Multi-Agent Systems WG	Committee Meeting	PSACE	CTCC North - Telus 111	Monday, July 27, 2009	11:00-12:00
3	CAMS Task Force on Open Source Software	Committee Meeting	PSACE	Fairmont - Canadian Pacific Room	Monday, July 27, 2009	12:00-13:00
4	Intelligent Systems SC – Multi-Agent Systems WG: TF on Agent Research and App.	Committee Meeting	PSACE	CTCC North - Telus 111	Monday, July 27, 2009	12:00-13:00
5	CAMS Task Force on the Understanding, Prediction, Prevention and Restoration of Cascading Failures	Committee Meeting	PSACE	Fairmont - Canadian Pacific Room	Monday, July 27, 2009	13:00-14:00
6	Intelligent Systems SC – Data Mining WG	Committee Meeting	PSACE	CTCC North - Telus 111	Monday, July 27, 2009	13:00-14:00
7	CAMS Task Force on Power System Modeling in CIM	Committee Meeting	PSACE	Fairmont - Canadian Pacific Room	Monday, July 27, 2009	14:00-15:00
8	Intelligent Systems SC - Fault Management TF	Committee Meeting	PSACE	CTCC North - Telus 111	Monday, July 27, 2009	14:00-15:00
9	Capacity Credit of Wind Power TF	Committee Meeting	PSACE	Fairmont - Marquis Room	Monday, July 27, 2009	14:00-15:00
10	CAMS Task Force on Cyber Security in Power Systems	Committee Meeting	PSACE	Fairmont - Canadian Pacific Room	Monday, July 27, 2009	15:00-16:00
11	Intelligent Systems SC - Modern Heuristic Optimization TF	Committee Meeting	PSACE	CTCC North - Telus 111	Monday, July 27, 2009	15:00-16:00
12	Intelligent Systems SC – Control Systems TF	Committee Meeting	PSACE	CTCC North - Telus 111	Monday, July 27, 2009	16:00-17:00
13	Computer and Analytical Methods Subcommittee (CAMS)	Committee Meeting	PSACE	Fairmont - Canadian Pacific Room	Monday, July 27, 2009	16:00-18:00
14	Reliability Risk & Probability Applications Subcommittee	Committee Meeting	PSACE	Fairmont - Oval Room	Tuesday, July 28, 2009	08:00-12:00
15	Distribution System Analysis SC / Test Feeder TF / WG P1729	Committee Meeting	PSACE	Fairmont - Oval Room	Tuesday, July 28, 2009	14:00-17:00
16	Intelligent Systems Subcommittee	Committee Meeting	PSACE	CTCC North - Telus 110	Tuesday, July 28, 2009	15:00-17:00
17	SE working group on demand response	Committee Meeting	PSACE	CTCC North - Telus 111	Tuesday, July 28, 2009	16:00-17:00
18	SE working group on network charges for embedded and microgeneration	Committee Meeting	PSACE	Fairmont - Oval Room	Tuesday, July 28, 2009	17:00-18:00
19	SE working group on test systems for economic analysis	Committee Meeting	PSACE	Fairmont - Oval Room	Tuesday, July 28, 2009	18:00-19:00
20	PSACE Committee -- Technical Committee	Committee Meeting	PSACE	Fairmont - Canadian Pacific Room	Wednesday, July 29, 2009	12:00-13:00

	Event Title	Event Type	Committee	Room	Date	Session Time
21	PSACE Committee -- Administrative Committee	Committee Meeting	PSACE	Fairmont - Canadian Pacific Room	Wednesday, July 29, 2009	13:00-14:00
22	System Economics Subcommittee	Committee Meeting	PSACE	Fairmont - Alberta Ballroom	Wednesday, July 29, 2009	16:30-18:00
23	SE working group on a wiki of economic terms	Committee Meeting	PSACE	Fairmont - Canadian Pacific Room	Wednesday, July 29, 2009	18:00-19:00
24	SE working group on sustainable energy systems for developing communities	Committee Meeting	PSACE	Fairmont - Alberta Ballroom	Wednesday, July 29, 2009	18:00-19:00
25	Advances in Distribution System Modeling and Analysis	Panel Session	PSACE	CTCC South - Glen 204	Monday, July 27, 2009	11:00-13:00
26	Interaction Between Electricity and Gas Markets	Panel Session	PSACE	CTCC South - Glen 204	Monday, July 27, 2009	13:00-17:00
27	Auction Theory for Power Industry Applications	Panel Session	PSACE	CTCC South - Macleod Hall A2	Monday, July 27, 2009	13:00-17:00
28	World Wide Usage of CIM Standard by Electric Utilities	Panel Session	PSACE	CTCC North - Telus 104	Thursday, July 30, 2009	08:00-12:00
29	Open Source Software For Power Systems	Panel Session	PSACE	CTCC North - Telus 105	Thursday, July 30, 2009	13:00-17:00
30	Application of Heuristic Methods to Power System Optimization under Uncertainties	Panel Session	PSACE	CTCC North - Telus 106	Thursday, July 30, 2009	13:00-17:00
31	Advanced Distribution System Modeling and Analysis Techniques	Panel Session	PSACE	CTCC South - Glen 202	Thursday, July 30, 2009	13:00-17:00
32	Global Financial Crisis and the Interaction between Long- and Short-term Electricity Markets	Panel Session	PSACE	CTCC South - Glen 201	Thursday, July 30, 2009	13:00-17:00
33	New Applications of Intelligent Data Mining in Power Systems	Panel Session	PSACE	CTCC South - Glen 204	Tuesday, July 28, 2009	08:00-10:00
34	Sustainable Energy Systems for Developing Communities	Panel Session	PSACE	CTCC South - Glen 204	Tuesday, July 28, 2009	10:00-12:00
35	Requirements for Automated Fault Reporting	Panel Session	PSACE	CTCC South - Macleod Hall A2	Tuesday, July 28, 2009	14:00-17:00
36	Use of Simulators in Testing New Electricity Markets	Panel Session	PSACE	CTCC South - Glen 202	Wednesday, July 29, 2009	13:00-17:00
37	Energy and Ancillary Service Markets	Paper Forum	PSACE	CTCC South - Macleod Hall A4	Monday, July 27, 2009	13:00-17:00
38	Computational Methods in Power System Modeling and Analysis	Paper Forum	PSACE	CTCC South - Macleod Hall E3	Thursday, July 30, 2009	08:00-12:00
39	Distribution System Modeling and Analysis	Paper Forum	PSACE	CTCC South - Macleod Hall E4	Thursday, July 30, 2009	08:00-12:00
40	Power System Economics and Optimization	Paper Forum	PSACE	CTCC South - Macleod Hall A4	Tuesday, July 28, 2009	14:00-17:00
41	Reliability and Risk in Power Systems	Paper Forum	PSACE	CTCC South - Glen 205	Wednesday, July 29, 2009	08:00-12:00
42	Computational Methods in Power Flow and State Estimation	Paper Forum	PSACE	CTCC South - Macleod Hall A1	Wednesday, July 29, 2009	13:00-17:00
43	Power System Simulation and Application of Intelligent Techniques	Paper Forum	PSACE	CTCC South - Macleod Hall A4	Wednesday, July 29, 2009	13:00-17:00