

Minutes of Intelligent Systems Subcommittee Meeting
IEEE-PES-GM Denver
June 7, 2004

Chair: Dagmar Niebur, Drexel University
Vice-chair: Stephen McArthur, University of Strathclyde
Technical Secretary: Ganesh Kumar Venayagamoorthy, University of Missouri-Rolla

Attendance:

Klaus-Peter Brand	ABB Switzerland Ltd.	Klaus-peter.brand@ieee.org
Mo-Yen Chow	North Carolina State University	chow@ncsu.edu
Javier Contreras	UCLM, Ciudad Real, Spain	Javier.Contreras@uclm.es
Aris Dimeas	Nat. Technical University of Athens	adimeas@power.ece.ntua.gr
Kevin Easley		Kevin.easley@ieee.org
Istvan Erlich	Univ. Duisburg-Essen	erlich@uni-duisburg.de
Djalma Falcao	Federal University Rio de Janeiro	falcao@nacad.ofrj.br
Ron Harley	Georgia Tech	rharley@ee.gatech.edu
Nikos Hatzargyriou	Nat. Technical University of Athen	nh@corfu.power.ece.ntua.gr
Kwang Y. Lee	Penn State University	kwanglee@psu.edu
Om Malik	Univ. of Calgary	maliko@ieee.org
Steve McArthur	University of Strathclyde	s.mcarthur@eee.strath.ac.uk
Hiroyuki Mori	Meiji University	hmori@isc.meiji.ac.jp
Dagmar Niebur	Drexel University	niebur@drexel.edu
Tak Niimura	TNC Systems/UBC	takn@ieee.org
Surya Santoso	The University of Texas at Austin	ssantoso@ieee.org
Karl Schoder	West Virginia University	Karl.schoder@mail.wvu.edu
Kevin Tomsovic	Washington State University	Kevin_tomsovic@wsu.edu
Ganesh K. Venayagamoorthy	University of Missouri-Rolla	gkumar@ieee.org

Meeting started at 12.05 pm.

An attendance list was taken with people writing their names and contact information.

The meeting started with everyone in the room introducing themselves.

1. Approval of minutes of IEEE PES GM 2003

The minutes of IEEE PES GM of Toronto, July 15, 2003, 9 am to 11 am was reviewed for corrections:

4. Tutorial course updates

Tutorial on Heuristic Optimization – Organizer: Kwang Lee

The tutorial took place at the IEEE PES WM 2002 in New York and was repeated in IEEE PES GM 03 in Toronto. Repetition of the tutorials at future meetings was proposed.

The motion to approve the minutes was proposed by Ron Harley and seconded by Kevin Tomsovic.

2. Working Group and Task Force Activities

2.1 Task force on Intelligent Systems on Distribution Services: Karen Butler

Karen Butler was not able to attend the meeting in Denver. It was reported by Dagmar Niebur that task force has been in existence for about six years and the activities has been very successful with panel sessions, etc. Currently, activities of the task force have been reviewing papers.

2.2 WG on New Technologies and Practical Applications: Dagmar Niebur

The WG consists of two task forces (2.2.1 and 2.2.2) and it was decided at the meeting to abolish the WG and have the two TFs in existence since the focus was more on a specific objective than a technology issue. The motion to abolish was proposed by Dagmar Niebur and seconded by Ganesh Venayamoorthy.

2.2.1 Task Force on Multi-Agent Systems: Steve McArthur

The TF activities have just started. The paper authors in GM04 session of multi-agents will join the TF as members. It is expected that there will be 10 to 15 active members in the TF. The TF will organize a panel session for GM05. It plans to have a tutorial in GM06. Information on multi-agents will be summarized into a paper possibly for publication in the Power & Energy magazine. S McArthur has mentioned that he will email everyone in attendance at the subcommittee meeting the detail activities of TF.

2.2.2 Task Force on Intelligent Data Mining and Analysis: S Santoso

S Santoso has indicated that he will need a separate time at the next GM for the TF to meet for an hour. The TF will have a panel session at the GM05 with 5 to 6 papers. A position paper from the panel session will be published in the PES Transactions. Hiroyuki Mori mentioned that he would forward to S Santoso the names of people that were involved on a previous TF with him to probably join this TF. H Mori mentioned he would invite some people to participate in the panel session. A tutorial paper on intelligent data mining and analysis is sought for the panel session. A paper on Reliability and Outage was going to be send by Mo-Yen Chow, North Carolina State University, for the panel session.

2.2.3 Other Technical Activities:

A task force on intelligent control (TFIC) to be formed was proposed by Ron Harley and Ganesh Venayamoorthy.

Scope of the TFIC to be emailed to Dagmar Niebur four weeks before PSCE meeting in New York (October 11- 13, 2004). An email will be send out to everyone attending the IS subcommittee inviting them to be members of TFIC. Klaus-Peter Brand proposed to coordinate with the PSDC committee their possible interest in TFIC and invite them to join the TFIC. Kevin Easley agreed to be the liaison with sub-station committee. Ron Harley suggested that email list of the ISAP participants to be used to advertise the TFIC.

2.2.4 Panels and Paper Sessions for GM 2005

Four panel sessions were proposed for 2005 meeting:

- Symbolic Computations for Power Systems – D Niebur will invite potential speakers.
- Dynamic Security Assessment using AI Techniques –Nikos Hatziargyriou
- Multi-Agents Systems – S. McArthur
- Intelligent Data Mining and Analysis – S. Santoso.

3. Tutorials

3.1 Tutorial on Optimization – Organizer: Kwang Lee

The tutorial is turned into an IEEE-Wiley publication and is currently in progress.

4. Conferences

4.1 IEEE PES General Meeting 2005, 12 – 16 June, San Francisco, California USA

Regular paper submissions and panel session paper submissions are 26 and 25 weeks respectively before the conference dates. Panel session papers will be 2 to 5 pages for inclusion in the proceedings.

4.2 IEEE PES Power Systems Conference & Expo, New York, NY, 10 – 14 October 2004.

4.3 NAPS 2004: 09 – 10 August 2004
Currently paper submissions are fewer than expected.

4.4 NAPS 2005
Iowa State University to host the meeting. No dates announced.

4.5 PMAPS 13 – 16 Sep. 2004
Iowa State University hosting the meeting. Paper deadlines passed.

4.6 PSCC 2005, August 22 – 26, 2005, Liege, Belgium
Abstracts due: 11/01/04
Full papers due: 01/15/05

4.7 ISAP

4.7.1 ISAP 2003: Summary

144 participants, with 118 registered, more than 100 papers presented in a 3 day conference. 12 papers are selected for the special issue of Engineering Intelligent Systems Journal.

4.7.2 ISAP 2005 Washington DC
To be held November 6 – 10, 2005. Papers due March 1, 2005.

5. Other Business:.

The chair announced times and location of sessions on Intelligent Systems organized by subcommittee members.

1) Multi-Agent Systems (MAS) in Power Engineering (panel)
Monday, 7 June, 2:00 PM–5:00 PM Gov Square 12
Sponsored by: Power System Analysis, Computing, and Economics Committee
Chair: S. McArthur, University of

2) Intelligent Systems Applications in Substations (panel)
Tuesday, 8 June, 8:00 AM–11:00 AM Gov Square 11
Sponsored by: Power System Analysis, Computing, and Economics Committee
Chair: M. Kezunovic, Texas A&M University

3) Intelligent Systems for Power System Expansion Planning (panel)
Wednesday, 9 June, 2:00 PM–5:00 PM Gov Square 11
Sponsored by: Power System Analysis, Computing, and Economics Committee
Chair: D. Niebur, Drexel University

6. Next Meeting

The subcommittee will meet informal at the PSCE 2004 in October 12, 2005, 12-2pm informally. The formal subcommittee meeting will at the PES GM 2005 in San Francisco.

The meeting was adjourned at 1.40 pm (Kevin Tomsovic put forward the motion to adjourn).

Respectfully submitted

Ganesh Kumar Venayagamoorthy

7/05/04