

INTELLIGENT SYSTEMS SUBCOMMITTEE MEETING
Time: 9 AM -12 PM, Tuesday, January 29, 2002

Chair: Kevin Tomsovic
Minutes: Dagmar Niebur

1. Minutes of the SM2001 Vancouver, BC subcommittee meeting: unanimously approved

2 TF on Intelligent systems on distribution services TF: Butler

2.1 The TF is working on distribution service bibliography, N. Schultz, D. Niebur, K. Miu and K. Butler will meet on 1/29 and discussed focus and organization of the paper. A draft is under revision.

2.2 A panel session with six speakers cosponsored by the WG on New Technologies and Practical Applications took place at this WM2002 on theoretical aspects: "Fundamental concepts of intelligent system applications to distribution services."

2.3 K. Butler proposes to organize a tutorial on Intelligent Systems for Distribution Systems. Proposed speakers include V. Miranda on Intelligent Tools Kanachigi, Santoso, Germano on Fuzzy Techniques, Fukuyama, Loi-Lai, Miu, Nara, Noel Schulz, Focus on applications. She proposed to prepare outline draft for the summer meeting.

3 WG on New Technologies and Practical Applications: Dagmar Niebur

3.1 The WG is co-sponsoring and contributing to the Distribution Systems TF's 2002WM panel and the bibliography paper, see above.

3.2 A proposal by D. Niebur on a panel session on Intelligent Optimization Techniques for Power System Expansion Planning and Pricing was accepted. Proposed speakers included R. Clayton, PG&E National Energy Group, J. Park, Konkuk University, C. Liu, University of Washington, A. Papalexopoulos, ECCO Int. Inc. and D. Favrat, Swiss federal inst. Of technology, Lausanne.

(The panel was subsequently approved at the PSACE Committee meeting 1/30/02 and will take place Monday, July 22, 02, 2-5 pm. D. N.)

3.3 D. Niebur proposed to organize a special session of tutorial character on "Multi-agent Systems for Power Systems". Potential speakers include Chen-Ching Liu, Jim McCalley on FIPA protocol, Jerry Heydt, Christian Rehtanz, T. Sakaguchi and Talukdar. The session was proposed to take place either at the SM2002 in Chicago or at the 2003 Toronto meeting.

(At the PSACE Committee meeting 1/30/02 it was decided to postpone the decision and to resubmit a proposal for the 2003 meeting in Toronto. D. N.)

The creation of a Task Force on the same topic was briefly discussed. Other potential TF topics include intelligent systems for self-healing networks, network assurance or reliability.

3.4 S. Santoso had proposed the creation of New TF on IS in Competitive Environment. Topics include: Market simulation, bidding, risk assessment; TF going to be proposed at PSCAE meeting, scope will be emailed later.

3.5 S. Santoso proposed TF on IS in substations, most current systems are expert system based. The SC invited him to explore the topic. Care should be taken to avoid conflicts with T&D Committee activities.

4 Additional Sessions for 2002 Winter Meeting in New York

4.1 The session proposal on "Data Mining Applications to Power Systems" organized by H. Mori and G. Lambert Torres took place at the IEE-PES 2002 WM in New York.

Mori and Lambert Torres proposed to repeat panel with different panelists at the IEE-PES 2002 SM in Chicago. Potential speakers are Dan Kirschen, UMIST, Kevin Tomosvic suggested to write a summary for power engineering review. Panel approved.

4.2 K. Tomsovic and D. Falcao proposed a panel session for the 2002 Summer Meeting on "Intelligent Controls for Control Center Operation" which will summarize the effort of a CIGRE SC 38 TF chaired by K. Tomsovic. (The panel was approved subsequently by the PSACE Committee and will take place on Wednesday, July 24, 2002, 9-12 pm, Salon V, D.N.)

5. Tutorial course updates

5.1 Tutorial on Fault Diagnostics - Organizer: Mladen Kezunovic; report to SC by C. C. Liu.

The tutorial took place a second time at the IEEE PES WM 2002 in New York. The tutorial text is available as 00 TP 141.

5.2 Tutorial on Heuristic Optimization - Organizer: Kwang Lee

The tutorial took place at the IEEE PES WM 2002 in New York. The tutorial text is available as 02 TP 160. Kwang Lee introduced the speakers and noted that he will videotape the tutorial himself. K. Tomosvic suggested to consider using audio support for power point presentations.

Kwang Lee suggested to repeat the tutorial at the IEEE PES Meeting in Toronto, ON, Summer 2003. Chanan Singh has agreed to chair the tutorial, since Kwang will not be able to attend the 2003 meeting.

6 Other business

6.1 Subcommittee members are asked to inform SC chair Kevin Tomsovic whether a transaction paper has been accepted so that it can be scheduled as a paper presentation instead of a poster presentation.

With the new systems, the new editor-in-chief selects the committee to which the paper should be send and he therefore has no complete information about every publication on intelligent systems.

6.2 Chen-Ching Liu mentioned that the Subcommittee, Working Groups and Task forces need to publish reports/papers in order to be nominated for a WG award; qualifying publications include transaction paper or tutorial, power engineering review, deadline is October for award.

Meeting adjourns at 11:30 am.

Respectfully submitted

Dagmar Niebur