Thursday 29 March 2001

8:00-9:00 Registration

9:00 - 9:10 Welcome and Introduction, Thomas Ackermann, KTH

9:10-10:45 Session 1: World-Wide Offshore Resources and Potential

9:10-10:10 Presentations:
- Ralf Leutz, A. Akisawa, T. Kashiwagi/ Tokyo University of Agriculture and Technology & Thomas Ackermann/ Royal Institute of Technology & A. Suzuki/ UNESCO: World-Wide Offshore Wind Energy Potential;
- James Manwell/ University of Massachusetts (USA): Status of Offshore Wind Energy Development in the United States;

10:10-10:45 Discussions

10:45-11:00 Coffee break

11:00-13:00 Session 2: Offshore Experiences and Projects

11.00-12.40 Presentations:
- Paul Gardner/ Garrad Hassan (UK): Introduction to Offshore Wind;
- Thomas Stalin/ Enron Wind (Sweden): Utgrunden Offshore Wind Energy Project, Sweden;
- Ingo de Buhr/ Prokon Nord (Germany): Borkum West Offshore Wind Park Project;
- Peter Clibbon/ NEG Micon (UK) & Andreas Wickman/ Vindkompaniet (Sweden): Offshore Project Sweden
- Göran Loman/ Eurowind (Sweden): Offshore Project Lillgrund

12:40-13:15 Discussions

13:15-14:15 Lunch
14:15-17:00 Session 3: DC Solutions for Offshore Wind Projects

14.15-14.55 Presentations:
- Jacques Courault/ Alstom (France): Energy Collection on Large Offshore Wind Farms – DC Applications (Preliminary title);

14:55-15:15 Discussions
15:15-15:30 Coffee break

15.30-16.10 Presentations:
- Anna-Karin Skytt, Per Holmberg, Lars-Erik Juhlin/ ABB Power Systems (Sweden): HVDC Light for Connection of Wind Farms
- Fredrik Owman/ ABB Distribution (Sweden): WINDFORMER - An Integrated System Solution for Medium and Large Scale Wind Farms;

16:10-17:00 Discussions

19:30 Dinner

Friday 30 March 2001

08:30-10:30 Session 4: Monitoring and Prediction

8:30-9.50 Presentations:
- Teolan Tomson/ Estonian Energy Research Institute: Wind Velocity and Power Dynamics in the Coastal Zone of Estonia;
- Gunnar Böhm/ GEO (Germany): Improved Prediction of Wind Power Production;
- Kurt Rohrig/ ISET (Germany): Online-Supervision and Prediction of 2,700 MW Wind Power;
- Brent Brobak, Lawrence Jones/ ALSTOM ESCA (USA): SCADA Systems for Wind Farms (Preliminary title);

9.50-10.30 Discussions

10:30-10:50 Coffee break
10:50-13:00 Session 5: Network Integration - I

10:50-12.10 Presentations:


- Peter Christiansen, Jesper Runge Kristoffersen, Ole Holmstrøm (Tech-Wise) & Henning Palmelund, Hans Abildgaard (Eltra), (Denmark): New Requirements for Grid Connection of Wind Farms to the Transmission Grid in Denmark;

- Peter Borre Eriksen, Jens Pedersen, Bjarne Fogh Schougaard/ ELTRA (Denmark): Large-Scale Integration of Wind Power into the Eltra System;

- Siegfried Heier/ ISET Kassel (Germany): Grid Control with Wind Energy Converters;

12:10-13:00 Discussions

13:00-14:00 Lunch

14:00-15:10 Session 6: AC Solutions for Offshore Wind Projects

14.00-14.40 Presentations:

- Thorsten Schütte, Bo Gustavsson, Mikael Ström/ Balfour Beatty Rail (Sweden): The Use of Low Frequency AC for Offshore Wind Power;

- Werner Siepman/ Alstom (Germany): Use of AC Transmission for Offshore Wind Farms (Preliminary title);

14:40-15:10 Discussions

15:10-15:30 Coffee break

15:30-16:30 Session 7: Network Integration - II

15.30-16.30 Presentations:

- Vladislav Akhmatov, Hans Knudsen/ NESA (Denmark) & Arne Hejde Nielsen, J Kaas Pedersen/ ELTEK TUD & Niels Kjolstad Poulsen/ IMM TUD: Modelling and Transient Stability of Wind Farms;


- Toshihisa Funabashi, Takayuki Tanabe/ Meidensha Corporation (Japan): A Study on Re-closing a Power Island with Wind Turbine Generators;

16:30-17:10 Discussions

17:10 –17.30 Final Discussions

17:30-17.40 Closing Remarks, Lawrence Jones, ALSTOM ESCA (USA)