



Staff Technical Conference on Enhanced Power Flow Models
Federal Energy Regulatory Commission
Docket Number AD10-12-000
Agenda

Wednesday, June 23, 2010

- 9:00 AM Welcome and Introduction
Richard O'Neill, FERC
- 9:20 AM Session A Wesley Yeomans, New York ISO
Voltage and Reactive Management
Slava Maslennikov, ISO New England
Enhancement of Dispatch by Utilization of Adaptive Transmission Rates
- 10:30 AM Break
- 10:45 AM Session B Andy Ott, PJM
Development of Enhanced Generation/Demand Response Control Algorithm
Vladimir Brandwajn and Show Chang, ABB
Optimal Power Flow in Energy Markets: Current Practices and Future Directions
- Noon Lunch
- 1:15 PM Session C David Sun, Alstom
Challenges with Practical Usage of Large-Scale Optimal Power Flow
Herminio Pinto, Nexant
AC Optimal Power Flow for Day-Ahead Reactive Planning
- 2:25 PM Break
- 2:40 PM Session D Marija Ilić, Carnegie Mellon University and NETSS, Inc.
Jeffrey Lang, Massachusetts Institute of Technology
NETSSWorks Software: An Extended AC Optimal Power Flow (AC XOPF) for Managing Available System Resources
- 3:40 PM Break
- 3:50 PM Session E Malcolm Metcalfe, Sempa Power Systems
Low-Cost Fast Regulation with Load-Based Regulation Services Network
Franz Franchetti, Carnegie Mellon University
Trends in High-Performance Computing for Power Grid Applications
- 5:00 PM Day 1 Conclusion
Richard O'Neill, FERC

Thursday, June 24, 2010

9:00 AM Day 2 Welcome

Richard O'Neill, FERC

9:20 AM Session F Marija Ilić, Carnegie Mellon University and NETSS, Inc.
AC Optimal Power Flow and Smart Grids

Cong Liu, Argonne National Laboratory
Large-Scale Power Grid Simulation

10:30 AM Break

10:45 AM Session G Sven Leyffer, Argonne National Laboratory
AC Networks and Mixed-Discrete Global Optimization

Srinivas Musunuri, Alstom Grid
Enhanced LP-Based Optimal Power Flow for Transmission Operations

Noon Lunch

1:15 PM Session H Ray Zimmerman, Cornell University
SuperOPF Framework

Sandy Aivaliotis, The Valley Group
Dynamic Line Ratings for Optimal and Reliable Power Flow

2:25 PM Break

2:40 PM Session I Herminio Pinto, Nexant
Security-Constrained Economic Dispatch with Post-Contingency Corrective
Actions

Mike Zhou, InterPSS
Solving Power System Analysis Problems Using Modern Software
Approaches

3:50 PM Day 2 Conclusion

Richard O'Neill, FERC