

DOE/OE TRANSMISSION RELIABILITY PROGRAM

Internal Program Review

June 10–11, 2015 | Embassy Suites Crystal City

Agenda

Wednesday, June 10 (Day 1)

Welcome, Introductions, DOE remarks

Joe Eto, Lawrence Berkeley National Laboratory

Phil Overholt, US DOE, OE Transmission Reliability Program

SESSION I (all sessions allow 20 minutes for presentations/10 minutes for Q&A)

- 1 Measurement-Based Stability Assessment
Dan Trudnowski, Montana Tech
- 2 Application of VARPRO Ambient Mode Estimation
Bernie Lesieutre, University of Wisconsin
- 3 WSU Oscillation project
Mani Venkatasubramanian, Washington State

SESSION II

- 4 Improved Oscillation Detection for Alarming and Daily Summary Reports
Jim Follum, Pacific Northwest National Laboratory
- 5 Curated Power Grid Data Center for BPA
Mark Rice, Pacific Northwest National Laboratory
- 6 DOE/NIST Collaboration
Paul Ewing, Oak Ridge National Laboratory
- 7 Impacts on Synchrophasor-based Applications
Yilu Liu, Oak Ridge National Laboratory

SESSION III

- 8 Measurement of Phasor-like Qualities
Harold Kirkham, Pacific Northwest National Laboratory
- 9 Synchrophasor Standards Support and Development
Ken Martin, Electric Power Group
- 10 Damping Inter-area Oscillations through Decoupled Modulation
Henry Huang, Pacific Northwest National Laboratory
- 11 Wide-Area Damping Control
Dave Schoenwald, Sandia National Laboratory

SESSION IV

- 12 Using Industrial Loads for Provisioning Ancillary Services
Anna Shipley, Oak Ridge National Laboratory
- 13 Distributed Smart Grid Asset Control Strategies for Providing Ancillary Services
Jianming Lian, Pacific Northwest National Laboratory
- 14 End-to-end Testing of Commercial Building End Uses for Regulation
Duncan Callaway, Lawrence Berkeley National Laboratory

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Thursday, June 11 (Day 2)

SESSION V

- 15 Pre- and Post-Disturbance Grid Reliability Monitoring
Alejandro Dominguez-Garcia and Pete Sauer, University of Illinois
- 16 NERC Load-Generating Reserves Reliability Control Standards
Carlos Martinez, ASR, Inc.
- 17 Reliability Standards Analysis and Performance Assessment
Song Xue, Electric Power Group

SESSION VI

- 18 Frequency Response Analysis Tool
Pavel Etingov, Pacific Northwest National Laboratory
- 19 FIDVR Load Modeling Tool
Pavel Etingov, Pacific Northwest National Laboratory
- 20 Synchrophasor System Data Baseline and Analysis
Bharat Bhargava, Electric Power Group
- 21 Baseline Studies and Analysis
Brett Amidan, Pacific Northwest National Laboratory

SESSION VII

- 22 Continuous Data-driven Model Development
Mark Buckner, Oak Ridge National Laboratory
- 23 Multi-terminal HVdc
Harold Kirkham, Pacific Northwest National Laboratory
- 24 PCAT Baseline O&M
Phil Irminger, Oak Ridge National Laboratory

SESSION VIII

- 25 Distribution PMU Scoping
Joe Eto, LBNL