

DOE/OE TRANSMISSION RELIABILITY PROGRAM

AARD Internal Program Review

June 7-8, 2016 | Aerospace Building

901 D Street SW, Suite 930 | Washington, DC 20024

Agenda: Tuesday, June 7 (Day 1)

8:30 Welcome, Introductions, DOE remarks – Breakfast available
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)

9:00 Measurement-Based Stability Assessment
Dan Trudnowski, John Pierre, Montana Tech

9:30 Application of VARPRO Ambient Mode Estimation
Bernie Lesieutre, University of Wisconsin

10:00 Development and Testing of Oscillation Monitoring System (OMS)
Mani Venkatasubramanian, Washington State

10:30 *Break*

SESSION II

10:45 Improved Oscillation Detection for Alarming and Daily Summary Reports
Brett Amidan, Pacific Northwest National Laboratory

11:15 Curated Power Grid Data Center for BPA
Jeff Dagle, Pacific Northwest National Laboratory

11:45 Damping Inter-area Oscillations through Decoupled Modulation
Ruisheng Diao, Pacific Northwest National Laboratory

12:15 pm *Lunch*

SESSION III

1:15 DOE/NIST Collaboration
Paul Ewing, Oak Ridge National Laboratory

1:45 Measurement of Phasor-like Qualities
Harold Kirkham, Pacific Northwest National Laboratory

2:15 Continuous Data-driven Model Development
Mark Buckner, Oak Ridge National Laboratory

2:45 *Break*

SESSION IV

3:00 Wide-Area Damping Control
Dave Schoenwald, Sandia National Laboratory

3:30 Frequency Response Analysis Tool
Pavel Etingov, Pacific Northwest National Laboratory

4:00 FIDVR Load Modeling Tool
Pavel Etingov, Pacific Northwest National Laboratory

4:30 Distribution PMU Scoping Study
Joe Eto, Lawrence Berkeley National Laboratory

5:00 Adjourn Day 1

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Agenda: Wednesday, June 8 (Day 2)

8:00 am Welcome

SESSION V

8:15 Synchrophasor System Data Baselineing and Analysis
Song Xue, Electric Power Group

8:45 Baseline Studies and Analysis
Brett Amidan, Pacific Northwest National Laboratory

9:15 Multi-Terminal HVdc
Harold Kirkham, Pacific Northwest National Laboratory

9:45 PCAT Baseline O&M
Phil Irminger, Oak Ridge National Laboratory

10:15 Break

SESSION VI

10:30 Distributed Smart Grid Asset Control Strategies for Providing Ancillary Services
Jianming Lian, Pacific Northwest National Laboratory

11:00 Pre- and Post-Disturbance Grid Reliability Monitoring
Alejandro Dominguez-Garcia and Pete Sauer, University of Illinois

11:30 NERC Load-Generating Reserves Reliability Control Standards
Carlos Martinez, ASR, Inc.

Noon Reliability Standards Analysis and Performance Assessment
Song Xue, Electric Power Group

12:30 pm Lunch and group discussion
Adjourn Day 2