

DOE/OE TRANSMISSION RELIABILITY PROGRAM PEER REVIEW MEETING

June 6, 2018 | Kimpton Hotel Palomar
2121 P Street NW, Washington, DC 20037

Agenda

8:00 am Welcome, Introductions, DOE remarks – breakfast available
Joe Eto, Lawrence Berkeley National Laboratory
Phil Overholt, US DOE, OE Transmission Reliability Program

SESSION I (30 minutes for presentations/10 minutes for Q&A)

8:15 am Real Time Applications Using Linear State Estimation Technology
Ken Martin, Electric Power Group, LLC

8:55 am Substation Secondary Asset Health Monitoring and Management System
Lin Zhang, Electric Power Group, LLC

9:35 am Operationalizing Synchrophasors for Enhanced Electric Grid Reliability and Asset Utilization
Chaitanya Baone, General Electric Company (GE)

10:15 am BREAK – 15 minutes

SESSION II (one 30-minute presentation/10-minute Q&A and three 20-minute presentations/ 10 minutes for Q&A)

10:30 am Advanced Synchrophasor Protocol (ASP) Development and Demonstration Project
Ritchie Carroll, Grid Protection Alliance (GPA)

11:10 am Update on PMU-related Standards Activities
Ken Martin, Electric Power Group

11:40 am PMU Metrology
Harold Kirkham, Pacific Northwest National Laboratory

12:10 pm Wide-Area Damping Control Proof-of-Concept Demonstration
David Schoenwald, Sandia National Laboratory

12:40 pm LUNCH

SESSION III (20 minutes for presentations/10 minutes for Q&A)

1:45pm Discovery Through Situational Awareness (DTSA)
Brett Amidan, Pacific Northwest National Laboratory

2:15 pm Suite of Open-Source Applications & Models for Advanced Synchrophasor Analysis
Pavel Etingov, Pacific Northwest National Laboratory

2:45 pm Advanced Machine Learning for Synchrophasor Technology
Michael Chertkov, Los Alamos National Laboratory

3:15 pm BREAK – 15 minutes

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SESSION IV (20 minutes for presentations/10 minutes for Q&A)

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| 3:30 pm | Eastern Interconnection Situational Awareness Monitoring System (ESAMS) Prototype Demonstration Project
<i>Joe Eto, Lawrence Berkeley National Laboratory</i> |
| 4:00 pm | Application of VARPRO Ambient Mode Estimation
<i>Bernie Lesieutre, University of Wisconsin</i> |
| 4:30 pm | NERC-DOE Special Reliability Assessment: Oscillation Analysis
<i>JP Skeath, North American Electric Reliability Corporation</i> |
| 5:00 pm | Powerline Conductor Accelerated Testing
<i>Dan King, Oak Ridge National Laboratory</i> |
| 5:30 pm | Adjourn |
| 6:00 pm | No-host dinner at Urbana, the restaurant at Kimpton Hotel Palomar |