

# DOE/OE TRANSMISSION RELIABILITY PROGRAM PEER REVIEW MEETING

June 13, 2017 | Kimpton Hotel Palomar  
2121 P Street NW, Washington, DC 20037

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## 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 (20 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*

8:50 am Substation Secondary Asset Health Monitoring and Management System  
*Kevin Chen, Electric Power Group, LLC*

9:25 am Operationalizing Synchrophasors for Enhanced Electric Grid Reliability and Asset Utilization  
*Chaitanya Baone, General Electric Company (GE)*

10:00 am BREAK – 15 minutes

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

10:15 am Advanced Synchrophasor Protocol (ASP) Development and Demonstration Project  
*Ritchie Carroll, Grid Protection Alliance (GPA)*

10:50 am Eastern Interconnection Situational Awareness Monitoring System (ESAMS) Prototype Demonstration Project  
*Joe Eto, Lawrence Berkeley National Laboratory*

11:25 am Discovery Through Situational Awareness (DTSA)  
*Brett Amidan, Pacific Northwest National Laboratory*

12 noon LUNCH

12:45 pm Update on PMU-related Standards Activities  
*Ken Martin, Electric Power Group*

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

1:00 pm Suite of Open-Source Applications & Models for Advanced Synchrophasor Analysis  
*Pavel Etingov, Pacific Northwest National Laboratory*

1:35 pm Advanced Machine Learning for Synchrophasor Technology  
*Michael Chertkov, Los Alamos National Laboratory*

2:10 pm HVDC & Load Modulation for Improved Dynamic Response Using Phasor Measurements  
*Jianming Lian, Pacific Northwest National Laboratory*

2:55 pm Powerline Conductor Accelerated Testing  
*Terry Jones, Oak Ridge National Laboratory*

3:30 pm BREAK – 15 minutes

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

- 3:45 pm      Application of VARPRO Ambient Mode Estimation  
*Bernie Lesieutre, University of Wisconsin*
- 4:20 pm      Wide-Area Damping Control Proof-of-Concept Demonstration  
*David Schoenwald, Sandia National Laboratories*
- 4:55 pm      NERC-DOE Special Reliability Assessment: Oscillation Analysis  
*Mani Venkatasubramanian, Washington State University*
- 5:30 pm      Measurement-Based Stability Assessment  
*Dan Trudnowski, Montana Tech*
- 6:05 pm      Adjourn
- 7:00 pm      No-host dinner at Urbana, the restaurant at Kimpton Hotel Palomar