

DOE/OE TRANSMISSION RELIABILITY, RELIABILITY & MARKETS PROGRAM
PEER REVIEW MEETING
June 11, 2019 | Sphinx on K
1315 K Street NW, Washington, DC 20005

Agenda

9:00 am Welcome, Introductions, DOE remarks – refreshments available
Joe Eto, Lawrence Berkeley National Laboratory
Alireza Ghassemian, US DOE, OE Transmission Reliability Program

SESSION I (30 minutes for presentations/15 minutes for Q&A)

9:30 am A Multistage Stochastic Transmission Expansion Algorithm for Wide-Area Planning under Uncertainty
Mort Webster, The Pennsylvania State University

10:15 am Stochastic Continuous-Time Flexibility Scheduling and Pricing in Wholesale Electricity Markets
Masood Parvania, University of Utah

11:00 am BREAK – 15 minutes

SESSION II (30 minutes for presentations/15 minutes for Q&A)

11:15 am Economical and Engineering Aspects of Proactive Demand Participation: Centralized versus Bilateral Control Structure
Nanpeng Yu, University of California at Riverside

12:00 pm Multi-Stage and Multi-Timescale Robust Co-Optimization Planning for Reliable and Sustainable Power Systems
Lei Wu, Clarkson University

12:45 pm LUNCH

SESSION III (30 minutes for presentations/15 minutes for Q&A)

1:45 pm A Probability-Based Model for Cost-effective Integration of Renewables into the Electricity Grid
Saifur Rahman, Virginia Polytechnic Institute and State University

2:30 pm Models and Strategies for Optimal Demand Side Management in the Chemical Industries
Michael Baldea, University of Texas at Austin

3:15 pm BREAK – 15 minutes

SESSION IV (30 minutes for presentations/15 minutes for Q&A)

3:30 pm Management of Risk and Uncertainty through Optimized Cooperation of Transmission System and Microgrids with Responsive Loads
Lindsay Anderson, Cornell University

4:15 pm Flexible Service Contracting for Risk Management within Integrated Transmission and Distribution Systems
Zhaoyu Wang, Iowa State University Science & Tech

5:00 pm Adjourn