

DOE/OE TRANSMISSION RELIABILITY, RELIABILITY & MARKETS PROGRAM PEER REVIEW MEETING

June 5, 2018 | Kimpton Hotel Palomar

List of Presentations

SESSION I

1. A Probability-based Model for Cost-effective Integration of Renewables into the Electricity Grid
Rajendra Adhikari, Virginia Polytechnic Institute and State University
2. Multistage Stochastic Transmission Expansion Algorithm for Wide-area Planning under Uncertainty
Mort Webster, The Pennsylvania State University

SESSION II

3. Stochastic Continuous-time Flexibility Scheduling and Pricing in Wholesale Electricity Markets
Masood Parvania, University of Utah
4. Models and Strategies for Optimal Demand Side Management in the Chemical Industries
Michael Baldea, University of Texas at Austin

SESSION III

5. Economical and Engineering Aspects of Proactive Demand Participation: Centralized versus Bilateral Control Structure
Nanpeng Yu, University of California at Riverside
6. Multi-Stage and Multi-Timescale Robust Co-Optimization Planning for Reliable and Sustainable Power Systems
Lei Wu, Clarkson University

SESSION IV

7. Management of Risk and Uncertainty through Optimized Cooperation of Transmission System and Microgrids with Responsive Loads
Lindsay Anderson, Cornell University
8. Flexible Service Contracting for Risk Management within Integrated Transmission and Distribution Systems
Zhaoyu Wang, Iowa State University Science & Tech