

Smart Grid Workshop

Monday, Dec. 12, 2011

Rm. 260 Drees Laboratory

The Ohio State University

Dept. Electrical and Computer Engineering

Sponsored by the OSU Center for Energy, Sustainability, and Environment (CESE)

Organized by Kevin M. Passino, Director of CESE, Dept. Electrical and Computer Engineering, The Ohio State University and Benjamin Stafford, Public Utilities Commission of Ohio

Agenda:

9:30 Breakfast: Pastries, bagels, fruit, coffee, juice

10:00 Power Electronics for the Smart Grid, Jin Wang

10:20 Grid of the Future-A Systems Approach to Achieving Stability and Security,
Ken A. Loparo

10:40 Distributed Generation Control in a Microgrid, Mahesh Illindala

11:00 Discussion / Break

11:20 Integration of Renewable Energy and Battery Storage Systems into the Smart
Grid, Yilmaz Sozer

11:40 Power System Modeling, Energy Policy, and Pricing, Ramteen Sioshansi

12:00 Lunch and Discussion: Box lunches, refreshments

- 1:00 Smart Technologies for Wind Power Generation, Longya Xu
- 1:15 The Information Dashboard for the Energy Alliance (IDEA), Vincenzo Liberatore
- 1:30 Demand Response for the Smart Grid, Wei Zhang
- 1:45 Latency Analysis of Smart Grid Secure Demand Response Information, John Hoag

- 2:00 Discussion / Break

- 2:15 On the Tradeoff Between Energy Efficiency and Security in the Smart Grid, Hesham El-Gamal
- 2:30 The Dependability Perspective on Smart Grid, Feng Qin
- 2:45 Dynamic Configuration of Communication Networks in Smart Grids, Eylem Ekici

- 3:00 Tour of OSU Smart Grid Simulation Facility, J. Wang

- 4:00 Reactive Power Allocation and Smart Lights for the Smart Grid, Kevin Passino
- 4:15 ThermoNet: Fine Grain Assessment of Building Comfort and Efficiency, Anish Arora
- 4:30 Governance in Boundary-Spanning R&D Collaboration, Craig Boardman
- 4:45 Great Lakes Energy Institute: Grid Research and Education, Iwan Alexander
- 5:00 Discussion