

Next Generation Grid Data Architecture & Control

November 17th-18th
Washington D.C. Area

Day 1: Monday, November 17th

12:30 PM **Registration**

1:30 PM **Welcome and Opening Remarks: U.S. Department of Energy**

- **Speaker: David Ortiz, Deputy Assistant Secretary of the Energy Infrastructure Modeling and Analysis**

2:00 PM **PLENARY SESSION – Utility Industry Position on Data Challenges** **Facilitator: Tom King**

ABSTRACT: Growth in the volume and velocity of information has been identified as a potentially disruptive change for the electric industry. This panel will address key triggers to data growth and the implications and opportunities from the coming deluge of data.

Speakers from Industry

- Fabian Robinson, PJM
- Dan Brancaccio, Bridge Energy Group
- Craig Miller, NRECA
- David Johnson, EPB
- Tao Xia, Dominion

3:30 PM **BREAK**

4:00 PM **PANEL DISCUSSION - Vendor Position on Data Solutions**

Facilitator: Craig Miller

ABSTRACT: Vendors currently have solutions – and are developing new ones -- for utilities to manage data and maximize the value from it. Topics for discussion will be:

- High Volume / High Performance Systems
- Next-Generation Energy Management Systems
- Look-Ahead Simulators
- Protection Systems Software Integration and Visualization Tools
- Mitigate Vulnerabilities

Speakers from Industry

- Rodney Watterman, OSIsoft
- Kwok Cheung, Alstom
- Doug Remboldt, NICS
- Brad Camp, SECA
- Ajay Madwesh, STI

5:30 PM **ADJOURN**

6:00 PM **NETWORKING RECEPTION**

Day 2: Tuesday, November 18th

8:00 AM **Registration & Continental Breakfast**

8:30 AM **PANEL DISCUSSION – Non-utility Perspectives on Big Data Challenges**

ABSTRACT: Other sectors have successfully addressed big data management and analytics issues. In this session, the panel will present success stories that can serve as model for the electric industry.

Facilitator: Arjun Shankar

Industry Speakers from Financial, Health Care and Defense Sectors

- J. Smart, Georgetown*
- Jerry Schuman, Ping Things
- Naren Ramakrishnan, Virginia Tech
- Ashit Talukder, NIST

** Invited*

10:00 AM **BREAK**

10:15 AM **PANEL DISCUSSION – Challenges of DER Integration & Control**

ABSTRACT: Integration of large numbers of small-scale decentralized power storage and generation systems increase the complexity and nature of grid control and stability assurance. In this session, panelists will discuss challenges associated with integration of distributed energy resources and distributed controls.

Facilitator: Craig Miller

Speakers from Industry

- Erich Gunther, EnerNex
- Doug Dorr, EPRI
- Mani Vadari, Modern Grid Solutions
- Mark Nielson, Delaware County Electric

11:45 AM **PROJECT FINDINGS & CHARGE TO BREAKOUTS**

12:00 PM **LUNCH**

1:00 PM **BREAK-OUT SESSIONS**

- **Information Integration & Use**
Facilitator: Russell Robertson & David Pinney
- **Control Issues & Challenges**
Facilitator: Kevin Tomsovic & Andrew Cotter
- **Utility and Big Data**
Facilitator: Yilu Liu & Maurice Martin

4:00 PM **REPORT OUT & NEXT STEPS**

4:30 PM **ADJOURN**