

AGENDA

Tuesday, November 13, 2018

9:30 am **REGISTRATION**

10:00 am **WELCOME AND WORKSHOP OBJECTIVES**

Chris Greer, NIST

10:15 am **KEYNOTE: GRID MODERNIZATION AND THE CASE FOR INTEROPERABILITY**

John Gibson, Avista Utilities

11:00 am **PANEL SESSION: GRID MODERNIZATION AND INTEROPERABILITY**

Panelists discuss some of the opportunities, challenges, and technologies at the nexus of grid modernization and interoperability.

Dwayne Bradley Duke Energy

Chris Irwin U.S. Department of Energy

Joe Peichel Xcel Energy

Alvin Razon National Rural Electric Cooperative Association

Naza Shelley District of Columbia Public Service Commission

MODERATOR: David Wollman, NIST

12:00 pm **LUNCH**

1:15 pm **KEYNOTE: THE ECONOMICS OF INTEROPERABILITY**

Wade Malcolm, Open Energy Solutions

2:00 pm **PLENARY: INTRODUCTION TO NIST'S SMART GRID CONCEPTUAL MODELS**

Avi Gopstein, NIST

2:30 pm **INTERACTIVE DISCUSSION: MAJOR CONCERNS FOR SMART GRID INTEROPERABILITY**

Participants will identify and give perspectives on important Smart Grid Conceptual Model, and key Aspects and Concerns related to grid modernization and interoperability

3:30 pm **BREAK**

3:45 pm **PLENARY: THREE KEY THEMES FOR CYBERSECURITY AND GRID INTEROPERABILITY**

- **Risk Profiles**—Jeffrey Marron, NIST
- **Interface Categories**—Nelson Hastings, NIST
- **Securing Communications**—Michael Bartock, NIST

4:45 pm **WRAP UP AND CHARGE FOR NEXT DAY**

5:00 pm **ADJOURN**

AGENDA

Wednesday, November 14, 2018

8:30 am **REGISTRATION**

8:45 am **WELCOME AND OBJECTIVES**

9:00 am **KEYNOTE: CYBERSECURITY OF COMPLEX SYSTEMS**

Ron Ross, NIST

9:30 am **PANEL SESSION: CYBERSECURITY AND GRID MODERNIZATION**

Panelists discuss some of the cybersecurity challenges and practices emerging from grid modernization, with a focus on device and domain communication pathways and interoperability.

Carol Hawk U.S. Department of Energy

David Lawrence Duke Energy

Michael Murray BlackRidge Technology

Candace Suh-Lee Electric Power Research Institute

MODERATOR: Elizabeth Sisley, Calm Sunrise Consulting

10:30 am **BREAK**

10:45 am **PARALLEL BREAKOUT SESSIONS**

Breakout sessions repeat during the afternoon. Participants can join discussions in two different topics.

- Learning from other Sensor Networks: Translating and Linking Logical Interface Categories
- Risk Profiles for Grid Architectures and Services
- Securing New Communications Architectures: Brokered vs. Brokerless Cybersecurity

12:15 pm **LUNCH**

1:30 pm **PARALLEL BREAKOUT SESSIONS**

Breakout sessions repeated from the morning. Participants are asked to join a different topic.

- Learning from other Sensor Networks: Translating and Linking Logical Interface Categories
- Risk Profiles for Grid Architectures and Services
- Securing New Communications Architectures: Brokered vs. Brokerless Cybersecurity

3:00 pm **BREAK**

3:15 pm **REPORT OUT PANEL**

3:45 pm **NEXT STEPS**

4:00 pm **ADJOURN**