

2017 NASPI-NERC-IEEE FORCED OSCILLATION TECHNICAL WORKSHOP

September 27, 2017 | Springfield, MA
Sheraton Springfield Monarch Place Hotel
1:00 – 5:00 pm

Improving Grid Reliability through Early Detection and Mitigation of Forced Oscillations

NERC
NORTH AMERICAN ELECTRIC
RELIABILITY CORPORATION


IEEE
PES
Power & Energy Society®

NASPI North American
SynchroPhasor Initiative

Wednesday, September 27, 2017

- 1:00 – 1:10** **Welcome & Logistics**
Alison Silverstein, NASPI
- 1:10 – 1:35** **Fundamentals of Forced Oscillations**
Characterization of oscillations, overview of detection and analysis techniques, reliability impacts of oscillations
Jim Follum, PNNL
- 1:35 – 2:50** **Forced Oscillation Events on the BPS**
Review of actual oscillation events on the BPS – who, what, when, why, how?
Ashley Donahoo, BPA
Hongming Zhang, Peak
Frankie Zhang, ISO-NE
Jim Kleitsch, ATC
Austin White, OGE
- 2:50 – 3:10** **Break**
- 3:10 – 3:50** **Eastern Interconnection Oscillation Event**
Interactive forced oscillation scenario that affected the entire Eastern Interconnection
- 3:50 – 4:20** **Oscillation Analysis of EI Event and Other Oscillation Events**
Technical oscillation analysis using interconnection-wide PMU data
Mani Venkatasubramanian, WSU
- 4:20 – 4:40** **Importance of Source Detection and Coordination**
Oscillation sourced identification, available tools, and a brief discussion of the importance of coordination
Slava Maslennikov, ISO-NE
- 4:40 – 5:00** **Key Takeaways & Roundtable Discussion**
Discussion of key takeaways from workshop, relevant guidelines, reference document, and libraries of events; discussion of future oscillation analysis work
Ryan Quint, NERC
Alison Silverstein, NASPI
- 5:00** **Adjourn**