Call for Abstracts

NASPI Work Group Meeting
Albuquerque, New Mexico
April 24-26, 2018

The North American Synchrophasor Initiative (NASPI) will hold its spring meeting in Albuquerque, New Mexico, on April 24-26, 2018. This is an open call for topics to be presented at this meeting. We are particularly interested in presentations on new synchrophasor-based applications for planning or operational purposes, as well as uses that enhance the reliability and resilience of the power system. We also invite proposals addressing new research in the synchrophasor technology deployment and advanced analytics.

Detailed Abstract Submission Instructions

NASPI will not require submittal of papers; individuals who wish to present at the Work Group meeting should email an abstract (using the form below) to **naspi@pnnl.gov** no later than **January 26, 2018**. The NASPI leadership team will review the submissions to determine which presentations will be selected. We will develop a preliminary agenda and notify all abstract submitters of their acceptance no later than **March 1, 2018**. Questions about the call for abstracts can be emailed to **naspi@pnnl.gov.**

By submitting an abstract and later providing a presentation at the meeting, the submitter grants NASPI permission to publicly post the presentation and share their name, affiliation and email through on-line posting on the NASPI website following the meeting.

**** ABSTRACT SUBMITTAL INFORMATION ****

Submitter(s) name and institution or company:

Submitter(s) contact information (email and phone number):

Will any presenters need assistance with a visa to enter the United States?

Title of proposed presentation:

Summary of proposed presentation (1-3 paragraphs):

Statement of novelty or impact, answering the question why would the NASPI community benefit from receiving this presentation? (1 paragraph):

Topics of potential interest include but are not limited to:

- New synchrophasor-based applications for planning or operational purposes
- Synchrophasor uses that enhance the reliability and resilience of the power system

Performance Requirements, Standards, and Verification Technical Area

- Enabling broader adoption of phasor measurement technology through standardization
- Advances in the accuracy and applicability of high-speed time-synchronized measurements
- Coordination with other standards bodies or organizations

Engineering Analysis Technical Area

- Data mining and pattern recognition techniques
- Model validation applications
- Oscillation monitoring & mitigation
- Post-mortem event analysis
- System protection

Control Room Solutions

- Real or near-real time production-grade decision-making tools addressing actual system problems
- State estimation improvements
- Backup SCADA implementations and lessons learned
- EMS implementations with synchrophasor data integrated in operator views
- Generating plant or owner examples using the data for operating or analysis of events
- Renewables integration

Distribution Applications

- PMU placement strategies and practical deployment aspects in distribution networks
- Distribution PMU filtering algorithms, applications and impact on applications
- Tools for sensing and measurement strategy, e.g. SPOT and GridAPPS-D
- Development of low-cost PMU-like tools and synchrophasor-like time-stamped measurements for distribution

Data and Network Management Technical Area

- PMU Data Quality Improvements processes and success stories
- Data archiving strategies
- Data query and reporting tools
- PMU and signal naming convention