

## Call for Abstracts

**NASPI Work Group Meeting**

**San Diego, California**

**April 15 -17, 2019**

The next North American SynchroPhasor Initiative (NASPI) Work Group meeting will be held in San Diego, California April 15-17, 2019. We invite members of the broad synchrophasor community to submit abstracts to be considered for presentation at the meeting. We are particularly interested in receiving abstracts that showcase innovative and novel applications of synchrophasor technology, to solve operational or planning electric power reliability and resilience challenges. We are also particularly interested in wide-area streaming applications of high-speed (so-called “point-on-wave”) time-synchronized measurements. To complement this topic, we encourage abstracts associated with inverter-based generation and renewable power integration, including ameliorating issues associated with low inertia future scenarios and the ability to maintain essential reliability services.

### **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 submittal information listed below) to [naspi@pnnl.gov](mailto:naspi@pnnl.gov) no later than **January 31, 2019**. The NASPI leadership team will review the submissions to determine which presentations will be selected. Based on the number of abstracts submitted in each of the technical areas of interest, the NASPI leadership team may also invite abstract submitters to participate in the poster session. The poster session will be hosted during the NASPI reception April 16th. We will notify all abstract submitters of their acceptance no later than **March 1, 2019**. Questions about the call for abstracts can be emailed to [naspi@pnnl.gov](mailto: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 \*\***

- Responsible author’s name, affiliation, and contact information (email and phone number):
- Additional author’s name(s), affiliation, and 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 interest include but are not limited to:**

- Novel implementation of synchrophasor technology to address operational or planning challenges
- Successful implementation of cost-effective applications on synchrophasor technology
- Applications of wide-area streaming high-speed “point on wave” time-synchronized measurements
- Applications of synchrophasors to support the integration of variable and low-inertia resources at high penetration levels

Control Room Solutions

- Real or near-real time production 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

Data and Network Management Technical Area

- PMU Data Quality Improvements Processes / Success stories
- Data archiving strategies
- Data query / reporting tools
- PMU and signal naming convention

Distribution Applications

- 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, synchrophasor-like time-stamped measurements for distribution
- Experience with new distribution PMU deployments
- Approaches for better understanding measurement accuracy and mitigating transducer errors

Engineering Analysis Technical Area

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

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