

Dear NASPI Community,

The next Novel Applications for Synchronized Power Instrumentation (NASPI) Work Group meeting will be held in Charlotte, North Carolina, **November 3-4, 2026**. We invite the synchronized measurement 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 wide-area time-synchronized technology to solve operational or other electric power reliability and resilience challenges. Presentations delivered in partnership with grid owner/operators are encouraged. While the meeting may include virtual attendees, **presentations will be delivered in-person** to maximize engagement. Topics of interest include but are not limited to:

#### Cross-Cutting Topics

1. Success stories, challenges, and/or lessons learned from field deployment of synchronized measurement systems and tools.
2. Real-time monitoring and post-event analysis for large loads, e.g., data centers.
3. Utilization of AI that takes advantage of large datasets of synchronized measurement information
4. High-speed waveform measurements that augment traditional synchrophasor measurements for additional resolution of high-speed phenomena.
5. Resilient timing impacts and demonstrations.
6. Statistical analysis and deep learning for extracting actionable information from large datasets.
7. Use of synchronized measurements to support the integration of inverter-based resources.
8. Incorporating advanced sensors into measurement infrastructure, including mixing different types of measurements and using heterogeneous measurements to make decisions.
9. Visualization and human factors, including cognitive systems engineering, decision support, and human-machine interfaces.
10. Any other novel and timely topics related to time-synchronized measurements that would be of interest to the broader NASPI community.

#### Control Room Solutions Task Team (CRSTT)

1. The use of real-time synchrophasor applications for the purpose of improving control room operations and grid reliability.
2. Training to support control room deployment.
3. Enhancing wide-area protection schemes utilizing time-synchronized measurements.

#### Distribution Task Team (DisTT)

1. The use of time-synchronized measurements to enhance distribution system operations and/or planning applications.
2. Benefits of and key success factors in deploying synchronized measurement in distribution systems.

#### Data and Network Management Task Team (DNMTT)

1. Cloud-based deployment success stories and challenges, e.g., availability of cloud-specific tools.

2. Advanced architectures for networking and communications technologies.
3. Experience with data networking, architecture, archiving, and other supporting technologies.
4. Requirements for time-synchronized measurement applications, e.g., data quality and measurement uncertainty.
5. Advances in synchronized measurement technology adoption through standardization, testing, or other technological accomplishments.

#### Engineering Analysis Task Team (EATT)

1. The use of time-synchronized measurements in transmission applications, including advanced protection and wide-area control schemes.
2. Extracting actionable information from synchronized measurements to characterize system health, detect equipment failures, evaluate grid disturbances, analyze oscillations, etc.
3. Real-time monitoring and mitigation of new oscillations emerging from modern grid resources.
4. Support for post-commissioning monitoring for grid resources that transmission operators are prescribing in their interconnection requirements.

#### **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 **August 9, 2026**. The NASPI Leadership Team will review the submissions to determine which presentations will be selected. We will notify all abstract submitters of their acceptance no later than **September 4, 2026**. Questions about the call for abstracts can be emailed to [naspi@pnnl.gov](mailto:naspi@pnnl.gov).

#### **ABSTRACT SUBMITTAL INFORMATION**

1. Responsible author's name, affiliation, and contact information (email and phone number)
2. Additional author's name(s), affiliation, and contact information (email and phone number)
3. Will any presenters need assistance with a visa to enter the United States?
4. Title of proposed presentation
5. Topic area (Cross-Cutting, CRSTT, DisTT, DNMTT, EATT) – for organizational purposes only
6. Summary of proposed presentation (1-3 paragraphs)
7. Statement of novelty or impact, answering the question why would the NASPI community benefit from receiving this presentation? (1 paragraph)

***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.***

This information can be found in the attached PDF and is also posted on the NASPI [website](#), please share with your colleagues.