NASPI Novel Applications for Synchronized Power Instrumentation
A DOE-EPRI Joint Initiative

NASPI Work Group Hybrid Meeting and Vendor Show Fall 2026

EPRI Charlotte Office, Building 3, Room 741
1200 West WT Harris Blvd, Charlotte, North Carolina
November 3–4, 2026

The Novel Applications for Synchronized Power Instrumentation (NASPI) Work Group Hybrid Meeting and Vendor Show will be held in Charlotte, North Carolina, November 3–4, 2026, featuring invited speakers and technology partners demonstrating their latest offerings.

Keynote Speakers


Katie Jereza


Sam Holeman

You will hear presentations from companies and individuals who are using synchronized measurement technology to solve specific challenges along with the lessons they learned along the way.

Our distinguished keynote speakers are the Honorable Katie Jereza, Assistant Secretary for the U.S. Department of Energy's Office of Electricity, and Sam Holeman, Vice President of Grid Integration Strategy for Duke Energy.

Register Today: Early-bird registration will be $415 for regular attendees and $175 for students until October 3, 2026.

Rates will then increase to $515 for regular attendees and $275 for students. Registration fees are the same for both in-person and remote participation.

Stay Up to Date: Scan the QR code or visit the NASPI website for updates on the event.

For those of you attending remotely, please note all times below are **Eastern Time**.

Tuesday, November 3, 2026	
8:30 – 9:30 am	**Registration and coffee**
9:30 – 9:35 am	Welcome, Introductions, and Logistics Review: Jim Follum (PNNL)
9:35 – 9:55 am	Opening Keynote: The Honorable Katie Jereza, Assistant Secretary for the U.S. Department of Energy's Office of Electricity
9:55 – 10:15 am	Welcoming Keynote: Sam Holeman, Vice President of Grid Integration Strategy for Duke Energy
10:15 – 10:35 am	NASPI Update – Jim Follum (PNNL)
10:35 – 10:45 am	Gold Partner Flash Talk SATEC
10:45 – 11:10 am	**Break**

	Synchronized Waveform Analysis and Applications
11:10 – 11:30 am	From Waveforms to Grid Insights: Context-Aware Analysis of Transmission Digital Fault Recorder Events – Jhi-Young Joo (Pacific Gas & Electric)
11:30 – 11:50 am	Digital Twin: Frequency, Grid Strength and Inertia Estimation – Lingling Fan (University of South Florida)
11:50 – 12:00 pm	Gold Partner Flash Talk DANOVO ENERGY SOLUTIONS A QUANTA SERVICES COMPANY
12:00 – 1:00 pm	**Lunch**
	Current Status and Future Needs for Measurement Systems
1:00 – 1:20 pm	Validating the Limits of PMU-Based Oscillation Monitoring: Real-Time Hardware-in-the-Loop Testing of Physical PMUs and Practical Implications – Zheyuan Cheng (Danovo Energy Solutions)
1:20 – 1:40 pm	Large-Load Oscillation Monitoring: A Comparative Review of Grid Operator-Proposed Requirements and Signal Processing Considerations – Kaustav Chatterjee (PNNL)
1:40 – 2:00 pm	Impact of DFT Phasor Estimation on Oscillation Observability – Yilu Liu (University of Tennessee / ORNL) and Clifton Black (Southern Company)
2:00 – 2:20 pm	What's Slow is New Again – Kevin Jones (Dominion Energy)
2:20 – 2:40 pm	Gold Partner Flash Talks PingThings SEL SCHWEITZER ENGINEERING LABORATORIES
2:40 – 3:05 pm	**Break**
	Task Team Breakout Sessions
3:05 – 5:00 pm	Control Room Solutions Task Team (CRSTT) • Welcome from Task Team Leads – Kliff Hopson (BPA) and John Marusenko (RC West)
	Data & Network Management Task Team (DNMTT) • Welcome from Task Team Lead - Dan Brancaccio (Danovo Energy)
	Distribution Task Team (DisTT) • Welcome from Task Team Leads – Panos Moutis (City College of New York) and Bryce Johanneck (The Grid Company)
	Engineering Analysis Task Team (EATT) • Welcome from Task Team Leads – Urmila Agrawal and Lin Zhu (EPRI)
5:00 – 6:30 pm	**NASPI Reception and Vendor Show**

Wednesday, November 4, 2026	
8:30 – 9:30 am	**Registration and coffee**
	NASPI Task Team Report Outs
9:30 – 10:10 am	• CRSTT – Kliff Hopson and John Marusenko • DNMTT – Dan Brancaccio • DisTT – Panos Moutis and Bryce Johanneck • EATT – Urmila Agrawal and Lin Zhu
10:10 – 10:20 am	Silver Partner Flash Talks OSCILLOQUARTZ A division of Adtran simple thread
10:20 – 10:50 am	**Break**
	Utility Experience Operationalizing Synchronized Measurements
10:50 – 11:10 am	From Detection to Resolution: Operationalizing Grid Event Response – Anjali Arora (Dominion Energy)
11:10 – 11:30 am	From Alarm to Action: Using Synchrophasor and SCADA Applications to Support Real-Time Oscillation Response at RC West – Amir Mosaddegh (California ISO)
11:30 – 11:50 am	PG&E's Experience Building Utility-Driven Synchrophasor Analytics: From Applications to Real-World Event Analysis – Mohammadreza Maddipour Farrokhifard and Davis Erwin (Pacific Gas & Electric)
11:50 – 12:00 pm	Silver Partner Flash Talks Electric Power Group
12:00 – 1:00 pm	**Lunch**
	Dynamic Event Analysis
1:00 – 1:20 pm	Distributed Waveform Analytics for Wide-Area Visibility – Shuchismita Biswas and Kaustav Chatterjee (PNNL)
1:20 – 1:40 pm	Irregular Wind Power Plant Dynamics Induced by Power Factor Command Truncation – Bikal Pudasaini (Dominion Energy)
	Resilient Timing
1:40 – 2:00 pm	Beyond GNSS: Rethinking Time as Critical Infrastructure – Rick Knea (Oscilloquartz)
2:00 – 2:20 pm	Assessment of Timing Integrity in Synchrophasors and Different Power System Applications – Yuru (Ori) Wu and Mohammed Olama (Oak Ridge National Laboratory)
	Task Force Report-Outs
2:20 – 2:40 pm	NERC SMWG/NASPI Task Force for Role-Based Synchrophasor Training – Clifton Black (Southern Company), Eric Andersen (PNNL), and Shuchi Biswas (PNNL)
2:40 – 3:10 pm	**Break**
3:10 – 3:30 pm	IEEE/NASPI Synchro-Waveform State of Practice – Hamed Mohsenian-Rad (University of California, Riverside), Jhi-Young Joo (Pacific Gas & Electric), Kaustav Chatterjee (PNNL)

	Analysis of Large Load Events with Third-Party Data
3:30 – 3:50 pm	Review of the Voltage and Frequency Effects of Losing 3,000 MW Data Center Load – Theo Laughner (Lifescale Analytics)
3:50 – 4:10 pm	Data Center Load-Loss Event Detection Using FDRs and Post-Event Analysis – Qian Liu (University of Tennessee, Knoxville)
	Advanced Applications
4:10 – 4:30 pm	From Sparse, Asynchronous Measurements to Feeder-Wide Visibility: Joint Data Fusion and Distribution-System State Estimation – Kumarsinh (Kumar) Jhala (Argonne National Laboratory)
4:30 – 4:50 pm	Real-Time Conductor Temperature and Dynamic Line Rating from Synchrophasor Measurements – Ashkan Ashrafi (Topolonet Corporation)
	Closing
4:50 – 5:00 pm	Closing remarks, open discussion, next steps – moderated by Jim Follum
5:00 pm	Adjourn

THANK YOU

NASPI gratefully recognizes our valued partners for their support

GOLD PARTNERS

SATEC

PingThings

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Electric Power Group

Thank you for helping advance grid reliability and innovation.