NASPI Work Group Hybrid Meeting and Vendor Show

Electric Power Research Institute (EPRI)

1200 W. WT Harris Blvd Charlotte, North Carolina

Building 3, Room 741

September 23-24, 2025

The North American Synchrophasor Initiative (NASPI) Work Group Hybrid Meeting and Vendor Show will be held in Charlotte, North Carolina, September 23 - 24, 2025, featuring invited speakers and technology partners demonstrating their latest offerings. You will hear presentations from companies and individuals who are using synchrophasor technology successfully to solve specific challenges and the lessons they learned along the way. Our distinguished keynote speakers are Aidan Tuohy, Director of EPRI Transmission Operations & Planning, and Jeff Dagle, Lab Fellow at the Pacific Northwest National Laboratory.

NASPI Work Group registration: Early-bird registration will be $415 for regular attendees and $175 for students until August 22nd, 2025. 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.

NASPI welcomes you to Charlotte, North Carolina. We are providing a link to a brochure that contains maps of EPRI's campus and the local area as well as a list of hotels, restaurants, and area attractions.

Hotel rates: EPRI ***has*** **negotiated rates for the hotels listed** on page two of the brochure. If you have already secured a room at one of those hotels, please call the hotel and ask for the ***EPRI*** rate.

Partners: If you are a vendor and would like to attend this meeting in person as a NASPI Partner, please review the Partnership Opportunity document. Determine what level of partnership you would like and make your selection on the registration site. Your additional attendees will be sent a code to register as noted in the partner document. Partner tables will be setup at the back of the main meeting room. All our partners will receive shipping instructions and setup/take down times and dates for the EPRI location. If you have any additional questions, please email naspi@pnnl.gov.

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

Tuesday, September 23, 2025	
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	Keynote 1: Welcome – Aidan Tuohy, Director of EPRI Transmission Operations & Planning (EPRI)
9:55 – 10:15 am	Keynote 2: NASPI History – Jeff Dagle (PNNL)
10:15 – 10:35 am	NASPI Update – Jim Follum (PNNL)
10:35 – 11:00 am	**Break**
	Session 1 – Large Electronic Loads Panel
11:00 – 12:00 pm	• Large Electronic Load Events in ERCOT – Patrick Gravois (ERCOT) • Emerging Challenges from Data Centers in Dominion Energy – Chetan Mishra, Kevin Jones, and Jaime De La Ree (Dominion Energy)

	• Southern Company's Experience with Large Electronic Loads – Clifton Black (Southern Company)
12:00 – 1:00 pm	**Lunch**
	Session 2 – Synchro-Waveform Applications Panel
1:00 – 2:00 pm	• Coordination and Augmentation Requirements for AI/ML in Distribution Waveform Analytics - Hamed Valizadeh-Haghi (Southern California Edison) • Observed Effects of Geomagnetic Disturbances from Wide Area Monitoring System – Theo Laughner (Lifescale Analytics) • Challenge in Synchronization: Time-Stamping Synchronized Waveforms – Christoph Lackner (Grid Protection Alliance)
2:00 – 2:40 pm	**Session 3 - Technology Partner Flash talks (5 minutes each)**
2:40 – 3:00 pm	**Break**
	Session 4 - Task Team Breakout Sessions
3:00 – 5:00 pm	Control Room Solutions Task Team (CRSTT) Mike Nugent and Kliff Hopson
	Data & Network Management Task Team (DNMTT) Dan Brancaccio
	Distribution Task Team (DisTT) Panos Moutis and Bryce Johanneck
	Engineering Analysis Task Team (EATT) Urmila Agrawal and Lin Zhu
5:00 – 7:30 pm	**NASPI Reception, Vendor Show**

Wednesday, September 24, 2025	
8:30 – 9:30 am	**Registration and coffee**
	Session 5 – NASPI Task Team Updates
9:30 – 10:20 am	• CRSTT – Michael Nugent and Kliff Hopson • DNMTT – Dan Brancaccio • DisTT – Panos Moutis and Bryce Johanneck • EATT – Urmila Agrawal and Lin Zhu • Role-Based Training Task Force – Clifton Black and Eric Andersen
10:20 – 10:40 am	**Break**
	Session 6 – Oscillation Monitoring and Analysis
10:40 – 11:00 am	Duke Energy's Experience with Oscillation Monitoring and Analysis – Kat Sico (Duke)
11:00 – 11:20 am	KGRID: Crowd Sourced Voltage Waveform Monitoring – David Daigle (CAISO)
	Session 7 – Distribution
11:20 – 11:40 am	Analysis of Waveform Measurements from Utility Distribution Systems: Lessons Learned – Jhi-Young Joo (Lawrence Livermore National Laboratory)
11:40 – 12:00 pm	Investigation of Performance Requirements for Distribution PMUs – Ken Martin (Electric Power Group)
12:00 – 1:20 pm	**Lunch**
	Session 8 – IBR Performance Analysis and Monitoring
1:20 – 1:40 pm	A Framework for PMU Event Management and IBR Dynamic Performance Evaluation – Jon Koutsourais (AEP)
	Session 9 – Utility Success Story
1:40 – 2:00 pm	Utilizing Synchrophasor Data for Non-Intrusive Equipment Failure Detection and Asset Health Monitoring: Lessons learned from two case studies at New York Power Authority – Sagnik Basumallik (New York Power Authority)

	Session 10 – Organization Updates
2:00 – 3:00 pm	• IEEE PSRC/PSCCC – Yi Hu • NERC SMWG – Clifton Black • CIGRE C4/C2.62 – Evangelos Farantatos • IEEE Synchro-Waveform Task Force – Hamed Mohsenian-Rad and Jhi-Young Joo • IEEE Forced Oscillation Task Force – Farrokh Aminifar • Smart Grid Synchronized Measurements and Analytics (SGSMA) – Panos Moutis
3:00 – 3:20 pm	**Break**
	Session 11 – Data Management
4:10 – 4:30 pm	Operator Analytics and Assessment Tools for Inverter-Based Resources Dominated Grid (GOAAT-IBR): Q1-Q4 Project Updates – Zheyuan Cheng (Quanta Technology)
4:30 – 4:50 pm	PMU Data Quality Monitoring at BPA - Kliff Hopson (BPA)
3:20 – 4:10 pm	**Session 12 – NASPI Challenge**
	Closing
4:50 – 5:00 pm	Closing remarks, open discussion, next steps – moderated by Jim Follum
5:00 pm	Adjourn