



NASPI Work Group Hybrid Meeting and Vendor Show
Electric Power Research Institute (EPRI)
 1200 W. WT Harris Blvd Charlotte, North Carolina
October 18-19, 2022

The North American Synchrophasor Initiative (NASPI) Work Group Hybrid Meeting and Vendor Show will be held in Charlotte, North Carolina, October 18 - 19, 2022, 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 speaker is Nelson Peeler, Senior Vice President, Transmission and Fuels Strategy and Policy, Duke Energy.

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. NASPI does not have a room block for this meeting so please be sure to secure your own lodging for this event.

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

Final Agenda (10/18/22)

Tuesday, October 18, 2022 (Eastern Time)	
8:00 - 9:00 am	Registration and coffee
9:00 - 9:05 am	Welcome, Introductions, and Logistics Review: Jeff Dagle (PNNL)
9:05 - 9:25 am	Keynote Speaker: Nelson Peeler, Senior Vice President, Transmission and Fuels Strategy and Policy, Duke Energy
9:25 - 9:45 am	NASPI Update – Jeff Dagle
Session #1 – Meta Analysis to Support Big Data Analytics	
9:45 – 10:05 am	FOA 1861 Meta Analysis – Shuchismita Biswas (PNNL)
10:05 – 10:20 am	Break – 15 minutes
Session #2 Utility Digital Transformation and DOE Prize Panel	
The U.S. Department of Energy (DOE) Office of Electricity is launching the American-Made Digitizing Utilities Prize. This prize aims to connect utilities with interdisciplinary teams of software developers and data experts to facilitate transforming digital systems in the energy sector and data analytics for utilities. Digitizing Utilities Prize HeroX	
10:20 – 12:00 pm	Session/Panel Moderator: Sandra Jenkins (U.S. DOE) <ul style="list-style-type: none"> • DOE Digitizing Utilities Prize - Sandra Jenkins • Utility Prize Partner – Kevin Jones (Dominion) • Utility Prize Partner – Tony Faris (BPA, remote) • Prize Structure and Rules – Sarah Gomach (NREL)
12:00 – 1:00 pm	Lunch

	Session #3 – Synchrophasor Technology Updates
1:00 – 1:20 pm	Draft IEC TS62786-41: Distributed Energy Resources Connection with the Grid – Part 41: Requirements for Frequency Measurement Used to Control Distributed Energy Resources (DER) and loads – Allen Goldstein (NIST)
1:20 – 1:50 pm	Harmonizing Data Sources Across Utilities to Improve Analytics and Operations – Gilbert Chiang, Yi Xue (Palantir, remote)
	Session #4 - Technology Partner Flash talks (5 minutes talk)
1:50 – 2:40 pm	<ul style="list-style-type: none"> • Schweitzer Engineering Laboratories • Grid Protection Alliance • V&R Energy • PingThings • Meinberg USA • Oscilloquartz • SATEC • Microchip • GE • MathWorks
2:40 – 3:00 pm	Break
	Session #5 - Task Team Breakout
3:00 – 6:00 pm	CRTT Business <ul style="list-style-type: none"> • Kevin Ostash (MHEB) – MHEB WAMS past, present, and future • Mike Nugent (SPP) - Data Quality Monitoring at SPP • Jim Kleitsch - NERC SMWG oscillation request process short overview • Review Mission Statement • Update the work plan
	DNMTT Business
	DisTT Business
	EATT Business <ul style="list-style-type: none"> • EATT Introduction & Mission Statement • Grid Edge Technology Introduction – Eric Udren • Summary of MVC White Paper – Honggang Wang • MVC White Paper GE Contribution– Manu Parashar • MVC White Paper PNNL Contribution – Pavel Etingov • MVC White Paper WSU Contribution – Mani Venkatasubramanian • EATT Business
	PRSVTT Business
6:00 - 8:00 pm	NASPI Reception, Vender Show, & Poster Session

Wednesday, October 19, 2022 (Eastern Time)	
8:00 - 9:00 am	Registration and coffee
9:00 - 9:05 am	Welcome, Introductions, and Logistics Review: Jeff Dagle (PNNL)
	Session #6 - NASPI Task Team Updates (10 minutes each)
9:05 – 10:00 am	<ul style="list-style-type: none"> • CRSTT Update • DNMTT Update • DisTT Update • EATT Update • PRSVTT Update

	Session #7 - Distribution Systems and Edge Computing – Synchrophasor Value and Applications
10:00 – 11:30 am	Moderator – Matthew Rhodes, Introduction <ul style="list-style-type: none"> • Distribution System Data Collection and Edge Computing Insights and Synchrophasor-Based Use Cases – Eric Udren (Quanta-Technology) • Digital Twins for Distribution Transformers and Overhead Conductors to Improve Quality of Service Under Faults and Fire Risk – Panos Moutis (CMU) • Multi-function Grid Edge Sensor and Computing Platform for Advanced Distribution Grids – Shikhar Pandey (Comed)
11:30 - 11:45 am	Break – 15 minutes
	Session #8 - Organization Reports from NASPI-Related Activities (10 minutes each)
11:45 – 12:25 pm	<ul style="list-style-type: none"> • NERC Synchronized Measurement Working Group (SMWG) update – Tim Fritch (TVA) • EIDSN Update - Kent Simendinger (EIDSN) • IEEE Update - Allen Goldstein (NIST)
12:25 – 1:30 pm	Lunch
	Session #9 – Locating Generator Outages
1:30 – 1:50 pm	Generation Loss Source Location for Grid Operations with Synchrophasor Data - Jared Bestebreuer (SEL)
	Session #10 - DOE projects in Advanced Sensing and Analytics
1:50 – 3:10 pm	<ul style="list-style-type: none"> • Grid Signature Library (GSL) - Jamie Lian (ORNL) • Synchrophasor Measurements in the Event Signature Library - Jim Follum (PNNL) • Data Integrity and Data Quality – Kaveri Mahapatra (PNNL) • Grid Sweeper® new instrument for grid stability research - Alex McEachern (McEachern Laboratories Inc.) • Multivariate Sensor Deployment at Power Substations – Incipient Failure Detection - Bruce Warmack (ORNL)
3:10 – 3:25 pm	Break – 15 minutes
	Session #11 – GPS Alternatives for Timing in support of PMUs
3:25 – 4:05 pm	<ul style="list-style-type: none"> • Recent Developments in Precise Distributed Time – Terry Jones (ORNL) • IEEE P1952 Resilient Positioning, Navigation, and Timing User Equipment Working Group - Jeff Dagle (PNNL)
	Session #12 – Multi-Function Measurement Devices Applications at Grid Edge
4:05 – 4:25 pm	SIMPLE – A Multi-Function Grid Edge Device with PMU and Point-on-Wave Streaming Capability to Support Multiple Advanced Distribution Use-Cases - Niroj Gurung (ComEd)
4:25 – 4:45 pm	Closing remarks – Jeff Dagle
4:45 pm	Adjourn

NASPI would like to say **“THANK YOU”** to the following partners for their support

