



NASPI Work Group Hybrid Meeting and Vendor Show
Electric Power Research Institute (EPRI)
 1300 W T 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 Work Group registration. The [registration](#) fee will be \$175 for regular attendees and \$50 for students.

Partnership Opportunities: We are encouraging the partners to participate in the NASPI Work Group Hybrid Meeting. Each Partner will have an opportunity to setup a table for the two days and give a 5-minute flash talk to the Work Group audience. Partners, this is your opportunity to share your work, technological advancements, innovative ideas, and updates with the larger group which we hope will foster further networking and collaboration. Learn more [here](#).

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**.

Draft Agenda (9/26/22)

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
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.	
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

	<ul style="list-style-type: none"> • Utility Prize Partner – Kevin Jones (Dominion) • Utility Prize Partner – Andreas Schmitt (BPA) • 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) (presenting remotely from PT Zone.)
	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
	DNMTT Business
	DisTT Business
	EATT Business <ul style="list-style-type: none"> • Summary of PPMV White Paper – Honggang Wang /Kaveri Mahapatra • PPMV GE contribution (non-linear optimization) – Kaveri Mahapatra • PPMV PNNL contribution (Kalman Filter) – Pavel Etingov • PPMV WSU contribution – Mani Venkatasubramanian • Grid Edge Technology Introduction (Eric Udren – Quanta Technologies) • 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	<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) • ComEd Edge Computing Sensors – 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 - Frankie Zhang (ISONE) • 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 (Schweitzer Engineering Laboratories, Inc.)
	Session #10 - DOE projects in Advanced Sensing and Analytics Tom King/Eric Andersen
1:50 – 3:10 pm	<ul style="list-style-type: none"> • Signature Library - Jamie Lian (ORNL) and Jim Follum (PNNL) • Data Integrity and Data Quality - James Ogle (PNNL) • Grid Sweeper - Alex McEachern (McEachern Laboratories Inc.) • Incipient Failure Detection/Sensor Deployment in Power Substation - Yarom Polsky (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 - Carter Christopher (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 – 4:45 pm	<ul style="list-style-type: none"> • Fusion of Synchrophasor and Waveform Data for Dynamic Performance Assessment and Root Cause Analysis - Kevin Jones (Dominion) • 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)
4:45 – 5:00 pm	Closing remarks – Jeff Dagle
5:00 pm	Adjourn

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

