



**NASPI Work Group Hybrid Meeting and Vendor Show**  
**Electric Power Research Institute (EPRI)**  
 1300 W. WT Harris Blvd. Building 3  
 Charlotte, North Carolina  
**September 26-27, 2023**

The North American Synchrophasor Initiative (NASPI) Work Group Hybrid Meeting and Vendor Show will be held in Charlotte, North Carolina, September 26 - 27, 2023, 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 Dr. Damir Novosel, the president and founder of Quanta Technology.

**Registration is open:** The [registration](#) fee will be \$415 for regular attendees and \$175 for students for both in-person and remote participation. [Register](#) now!

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 first five 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 that selection during on the registration site. Additional attendees will be sent a code to register your additional attendees as noted in the partner document. Because of the very positive feedback the NASPI Leadership Team (LT) received with regards to the location of the partner tables in Tempe, we will be doing a similar setup in Charlotte where the 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](mailto:naspi@pnnl.gov).

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

***Draft Agenda (9/12/23)***

<b>Tuesday, September 26, 2023 (Eastern Time)</b>	
8:30 - 9:30 am	<b>Registration and coffee</b>
	<b>Session 1: Keynote &amp; NASPI Update</b>
9:30 - 9:40 am	Welcome, Introductions, and Logistics Review: Jeff Dagle (PNNL)
9:40 - 10:00 am	Keynote Speaker: Dr. Damir Novosel (Quanta Technology)
10:00 – 10:30 am	NASPI Update – Jeff Dagle (PNNL)
10:30 – 11:00 am	Break
	<b>Session 2: Digitizing Utilities Prize</b>
11:00 – 11:05 am	Prize Overview - Jim Follum (PNNL) on behalf of Sandra Jenkins (DOE)
11:05 – 11:15 am	Dominion's Perspective - Kevin Jones (Dominion)
11:15 – 11:30 am	Contestant Presentation - Bruno Leao (Siemens)
11:30 – 11:45 am	Contestant Presentation - Christoph Lackner (Grid Protection Alliance)
11:45 – 12:00 pm	Additional Contestants and Wrap Up - Jim Follum (PNNL)

12:00 – 1:00 pm	<b>Lunch</b>
	<b>Session 3: Control Room Solutions Task Team (CRSTT)</b>
1:00 – 1:15 pm	CRTT Business – James Kleitsch (ATC) & Michael Nugent (SPP)
1:15 – 1:35 pm	Group Discussion: Obstacles to integration in Real Time Operations – James Kleitsch (ATC)
	<b>Session 4: Data and Network Management Task Team (DNMTT)</b>
1:35 – 1:50 pm	DNMTT Business – Dan Brancaccio (Quanta Technology)
1:50 – 2:10 pm	Cloud-based Demo of Linear State Estimation - Xiaochuan Luo (ISO-New England)
2:10 – 2:30 pm	Break
	<b>Session 5: Distribution Task Team (DisTT) Projects Kick-off – Panos Moutis</b>
2:30 – 2:40 pm	From "train the trainer" to "train the champion" - how value undercuts technicalities – Matthew Rhodes (SRP)
2:40 – 2:50 pm	Utility-Vendor Partnering on Designing and Deploying Synchronized Measurement Applications - Ali Alvi (ComEd) and Marianna Vaiman (V&R Energy)
2:50 – 3:00 pm	Making the Case for High Performing PMUs in Distribution Grids - Yoav Sharon (S&C Power Company)
3:00 – 3:10 pm	Synchronized Measurements for Controlling Inverter Based Resources - Evangelos Farantatos (EPRI)
3:10 – 3:20 pm	Not all distribution feeders need phasor measurements - Dan Dietmeyer (SDG&E)
3:25 – 3:30 pm	Q&A and discussion – Dan Dietmeyer (SDG&E) & Panos Moutis (City College of New York)
	<b>Session 6: Engineering Analysis Task Team (EATT)</b>
3:30 – 3:45 pm	EATT Business – Evangelos Farantatos (EPRI) & Matthew Rhodes (SRP)
3:45 – 4:05 pm	IBR Synchrophasor Perspective - Priya Mana (PNNL)
4:05 – 4:25 pm	Utility Experience with IBR Integration and Synchrophasor Monitoring - TBD
	<b>Session 7: Technology Partner Flash talks (5 min ea.)</b>
4:05 – 4:35 pm	<ul style="list-style-type: none"> <li>• Schweitzer Engineering Laboratories - Jared Bestebreuer (Gold Partner)</li> <li>• PingThings – Sean Murphy (Gold Partner)</li> <li>• Meinberg USA - Allan Armstrong (Silver Partner)</li> <li>• SATEC Inc. -Stephen Suto (Silver Partner)</li> <li>• V&amp;R Energy – Marianna Vaiman (Silver Partner)</li> <li>• Partner opening</li> </ul>
4:35 – 5:00 pm	Recap of Day 1 – Jeff Dagle
<b>6:00 - 7:30 pm</b>	<b>NASPI Reception, Vender Show, &amp; Poster Session</b>

<b>Wednesday, September 27, 2023 (Eastern Time)</b>	
8:30 - 9:30 am	<b>Registration and coffee</b>
9:30 - 9:35 am	Welcome, Introductions, and Logistics Review: Jeff Dagle (PNNL)
	<b>Session 8: Utility Experiences Deploying Time Synchronized Measurements – Part 1</b>
9:35 - 9:55 am	A Utility’s Perspectives and Progress Deploying Synchrophasor Technology — Floyd Galvan (Entergy – virtual presentation)
	<b>Session 9: Organizational Updates</b>
9:55 - 10:15 am	NERC Synchronized Measurement Working Group (SMWG) – Clifton Black (Southern Company)
10:15 - 10:35 am	IEEE – Yi Hu (Quanta) ( <i>virtual</i> )
10:35 - 10:55 am	CIGRE C4/C2.62 liaison report – Evangelos Farantatos (EPRI)
10:55 - 11:15 am	EIDSN – Kent Simendinger ( <i>virtual</i> )
11:15 - 11:30 am	Break

	<b>Session 10: Resilient Precision Timing</b>
11:30 - 11:50 am	GNSS Vulnerabilities – Common-Sense Solutions – Allan Armstrong (Meinberg USA)
11:50 - 12:10 pm	Lessons learned from the use of the Precision Time Protocol by electricity utilities – Dan Burch (Oscilloquartz)
12:10 - 12:30 pm	IEEE P1952 Standard Summary Update – Jeff Dagle (PNNL)
12:30 - 1:30 pm	<b>Lunch</b>
	<b>Session 11: Operational requirements for the Grid of the Future</b>
1:30 - 1:50 pm	Electricity Transmission System Research and Development: Grid Operations – Anjan Bose (Washington State University) and Tom Overbye (Texas A&M University) ( <i>virtual</i> )
	<b>Session 12: Experiences with Integrating Inverter Based Resource Generation</b>
1:50 - 2:20 pm	IBR Model Verification Using Measurement Playback Method - Qiang “Frankie” Zhang and Xiaochuan Luo (ISO-NW)
	<b>Session 13: Energy Management System (EMS) Tools and Technologies</b>
2:20 - 2:40 pm	Global WAMS and WAMPAC – Manu Parashar (GE Vernova)
2:40 – 3:00 pm	Aspentech (OSI) experience with PMUs in an EMS environment - Roopa Akkala (OSI)
3:00 – 3:20 pm	PMU-based EMS and Power Network Analysis Applications - Marianna Vaiman (V&R Energy)
3:20 – 3:35 pm	<b>Break – 15 mins</b>
	<b>Session 14: Utility Experiences Deploying Time Synchronized Measurements – Part 2</b>
3:35 - 3:55 pm	TBD – David Schooley (ComEd)
	<b>Session 15: NASPI – NERC SMWG Joint Workshop – Clifton Black Title: Next Generation Measurement-Based Reliability Tools</b>
3:55 – 4:05 pm	Workshop introduction, scope, and objectives
4:05 - 4:50 pm	<ul style="list-style-type: none"> <li>• NERC RTOS – Tim Beach, NERC RTOS Vice-Chair (<i>virtual</i>)</li> <li>• Schweitzer Engineering Laboratories (SEL) – Richard Kirby</li> <li>• EPRI – Evangelos Farantatos</li> <li>• Rensselaer Polytechnic Institute (RPI) – Joe Chow (<i>virtual</i>)</li> </ul>
4:50 – 5:00 pm	Closing remarks – Jeff Dagle

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

**Gold Partner**



**Silver Partners**

