



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.

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

Draft Agenda (9/22/23 3:16PM)

Tuesday, September 26, 2023 (Eastern Time)	
8:30 - 9:30 am	Registration and coffee
	Session 1: Keynote & NASPI Update
9:30 - 9:40 am	Welcome, Introductions, and Logistics Review: Jeff Dagle (PNNL)
9:40 - 10:10 am	Past-Present-Future Keynote Speaker: Dr. Damir Novosel (Quanta Technology)
10:10 – 10:30 am	NASPI Update – Jeff Dagle (PNNL)
10:30 – 11:00 am	Break
	Session 2: Digitizing Utilities Prize
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	Lunch
	Session 3: Control Room Solutions Task Team (CRSTT)
1:00 – 1:15 pm	CRSTT Business – James Kleitsch (ATC) (<i>virtual</i>) & Michael Nugent (SPP)
1:15 – 1:35 pm	Group Discussion: Obstacles to integration in Real Time Operations – James Kleitsch (ATC)
	Session 4: Data and Network Management Task Team (DNMTT)
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) (<i>virtual</i>)
2:10 – 2:30 pm	Break
	Session 5: Distribution Task Team (DisTT) Projects Kick-off – Panos Moutis
2:30 – 2:40 pm	SRP Synchrophasors From Value Proposition to Implementation – 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) (<i>virtual</i>)
3:10 – 3:20 pm	Not all distribution feeders need phasor measurements - Dan Dietmeyer (SDG&E)
3:20 – 3:30 pm	Q&A and discussion – Dan Dietmeyer (SDG&E) & Panos Moutis (City College of New York)
	Session 6: Engineering Analysis Task Team (EATT)
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
	Session 7: Technology Partner Flash talks (5 min ea.)
4:25 – 5:00 pm	<ul style="list-style-type: none"> • Schweitzer Engineering Laboratories - Jared Bestebreuer (Gold Partner) • PingThings – Sean Murphy (Gold Partner) • Meinberg USA - Allan Armstrong (Silver Partner) • SATEC Inc. -Stephen Suto (Silver Partner) • V&R Energy – Marianna Vaiman (Silver Partner) • NextNav – Ed Mortimer and Cristina Seibert (Silver Partner)
5:00 – 5:15 pm	Recap of Day 1 – Jeff Dagle
5:15 - 7:00 pm	NASPI Reception, Vendor Show, & Poster Session

Wednesday, September 27, 2023 (Eastern Time)	
8:30 - 9:30 am	Registration and coffee
9:30 - 9:35 am	Welcome, Introductions, and Logistics Review: Jeff Dagle (PNNL)
	Session 8: Organizational Updates
9:35 - 9:55 am	NERC Synchronized Measurement Working Group (SMWG) – Clifton Black (Southern Company)
9:55 - 10:15 am	IEEE – Yi Hu (Quanta) (<i>virtual</i>)
10:15 - 10:35 am	CIGRE C4/C2.62 liaison report – Evangelos Farantatos (EPRI) (<i>virtual</i>)
10:35 - 10:55 am	EIDSN – Kent Simendinger (<i>virtual</i>)
10:55 - 11:10 am	Break
	Session 9: Resilient Precision Timing
11:10 - 11:30 am	GNSS Vulnerabilities – Common-Sense Solutions – Allan Armstrong (Meinberg USA)
11:30 - 11:50 pm	Lessons Learned from the Use of the Precision Time Protocol by Electricity Utilities – Dan Burch (Oscilloquartz)
11:50 - 12:10 pm	Maintaining Precise Time for Power System Applications in the Event of Wide-Area Loss of GPS - Motaz Elshafi (Schweitzer Engineering Laboratories, Inc.) and Dustin Williams (Burns and McDonnell)
12:10 - 12:30 pm	IEEE P1952 Standard Summary Update – Jeff Dagle (PNNL)
12:30 - 1:30 pm	Lunch
	Session 10: Operational requirements for the Grid of the Future

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>)
	Session 11: Experiences with Integrating Inverter Based Resource Generation
1:50 - 2:20 pm	IBR Model Verification Using Measurement Playback Method - Qiang “Frankie” Zhang and Xiaochuan Luo (ISO-NW) (<i>virtual</i>)
	Session 12: Energy Management System (EMS) Tools and Technologies
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) and Robin Manuguid (SDG&E)
3:20 – 3:35 pm	Break – 15 mins
	Session 13: Utility Experiences Deploying Time Synchronized Measurements
3:35 - 3:55 pm	TBD – David Schooley (ComEd) (<i>virtual</i>)
3:55 – 4:15 pm	Operating Procedures for Oscillation Monitoring and Mitigation – Urmila Agrawal (CASIO) (<i>virtual</i>) on behalf of RC West
4:15 – 4:35 pm	PJM Use Case of Synchrophasors–Automated Generator Model Validation (AGMV) - Yang Chen (PJM)
	Session 14: NASPI – NERC SMWG Joint Workshop – Clifton Black Title: Next Generation Measurement-Based Reliability Tools
4:35 – 4:45pm	Workshop introduction, scope, and objectives – Clifton Black (Southern Company)
4:45 - 5:30 pm	<ul style="list-style-type: none"> • NERC RTOS – Tim Beach, NERC RTOS Vice-Chair (<i>virtual</i>) • Schweitzer Engineering Laboratories (SEL) – Richard Kirby • EPRI – Evangelos Farantatos • Rensselaer Polytechnic Institute (RPI) – Joe Chow (<i>virtual</i>)
5:30 – 5:40 pm	Closing remarks – Jeff Dagle

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

Gold Partner



Silver Partners

