

NASPI Work Group Virtual Meeting and Vendor Show **October 5-7, 2021**

Agenda **8:00am PT / 11:00am ET**


The North American Synchrophasor Initiative (NASPI) Work Group Virtual Meeting will be October 5-7, 2021. These three days will feature presentations from invited speakers and NASPI Partners who will share various aspects of synchrophasor systems, technology updates, data sharing challenges, real time simulation, data analysis, and exploration of high-speed measurements associated with inverter-based resources.


Our distinguished keynote speaker will be Dr. Renata Rubeša, Head of Support to the Power System Control at the Croatian Transmission System Operator Ltd. or HOPS. HOPS has almost 15 years of experience in synchrophasors, from PMU technology to WAMS applications and its use in the control room and they have used synchrophasor technology in major disturbances in the European interconnected system. HOPS is an essential service provider and obliged to follow the European Union Directive on security of network and information systems giving them experience in cyber security issues, application of measures and incident reporting methods.


Other meeting highlights consists of updates from the NASPI task team, NERC SMWG, WECC JSIS, IEEE, and the EIDSN.



Partnership opportunities: We are encouraging the partners to participate in the virtual NASPI Technology Partner Presentations. Each partner will have an opportunity to address the work group audience throughout the meeting based on the level of partnership procured. 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](#).

Final Agenda 10/7/21

Eastern Time	Tuesday, October 5, 2021
11:00 – 11:05 am	Welcome & Introductions: Jeff Dagle (PNNL)
11:05 – 11:45 am	Keynote : Croatian Transmission System Operator Ltd. or HOPS - Renata Rubeša.
11:45 – 11:55 am	NASPI Update – Jeff Dagle
	Session # 1 – Big Data Analytics and Machine Learning
11:55 – 1:15 pm	Session/Panel Moderator: Sandra Jenkins (U.S. DOE) Big Data Analytics and Machine Learning <ul style="list-style-type: none"> • FOA 1861 Presentation - Combinatorial Evaluation of Physical Feature Engineering & Deep Temporal Modeling for Synchrophasor Data at Scale - Mohini Bariya and Ramiro Mata (PingThings) – 20 minutes • Panelist introductions: <ul style="list-style-type: none"> ✓ Schweitzer Engineering Laboratories: David Daigle ✓ Texas A&M Engineering Experiment Station: Mladen Kezunovic ✓ University of California, Riverside: Nanpeng Yu ✓ Siemens Technology US: Bruno Leao ✓ PingThings, Inc.: Sean Murphy
1:15 – 2:00 pm	Break
2:00 – 2:20 pm	 Partner presentation from SEL – Jared Bestebreur

	Session # 2 – Synchrophasor Projects and Edge Computing Solutions
2:20 – 2:40 pm	Status of ESAMS - Joe Eto
2:40 – 3:00 pm	ComEd’s Synchrophasor Project - David Schooley
3:00 – 3:05 pm	Break
3:05 – 4:35 pm	Panel Moderator: Matthew Rhodes (SRP) Synchrophasors on the Edge: Edge Computing Solutions using Synchrophasors <ul style="list-style-type: none"> • Mladen Kezunovic (Texas A&M) • Neeraj Nayak (EPG) • Mark Konya (SAS) • Anamitra Pal (ASU)
4:35-4:55pm	 STER Partner presentation from STER - Dalibor Brnobić

Eastern Time	Wednesday, October 6, 2021
11:00 – 11:05 am	Welcome & Agenda Review: Jeff Dagle (PNNL)
	Session # 3 - Inverter-based Resources
11:05 – 12:35 pm	Panel Moderator: Sascha von Meier, UC Berkeley Synchronized Measurements for Modeling and Control of Inverter-Based Resources <ul style="list-style-type: none"> • Yashen Lin (NREL) • Yasutoshi Yoshioka (Fuji Electric) • Gunnar Kaestle (Technische Universität Clausthal) • Ryan Quint (NERC)
12:35 – 1:30 pm	Break
	Session # 4 - Real Time Simulators
1:30 – 2:30 pm	Panel Moderator: Evangelos Farantatos (EPRI) Role and Use Cases of Real Time Simulators (RTS) Towards Advancing and Deploying Synchrophasor Based Wide Area Monitoring Protection and Control (WAMPAC) Systems <ul style="list-style-type: none"> • Dinesh Gurusinghe (RTDS) • Etienne Leduc (OPAL-RT) • Rahul Kadavil (NYPA)
2:30 – 2:50 pm	 OSCILLOQUARTZ Partner presentation from Adva – Nino De Falcis
	Session # 5- Task Team Updates
2:50 – 3:00 pm	CRSTT Update
3:00 – 3:10 pm	DisTT Update
3:10 – 3:20 pm	EATT Update
3:20 – 3:30 pm	PRSVTT Update
3:30 – 3:40 pm	DNMTT Update
3:40 – 3:45 pm	Break
3:45 – 4:05 pm	 PingThings Partner presentation from PingThings – Sean Murphy
	Session # 6 – Data Sharing
4:05 – 5:00 pm	A conversation around data sharing, utilities risks and concerns: <ul style="list-style-type: none"> • Data Sharing Introduction – Eric Andersen (PNNL) • Lessons learned from the Western Interconnection Synchrophasor Project (WISP) – Dan Brancaccio (Quanta Technology) • A utility perspective on data sharing risks and concerns - Jim Ball (WAPA) • Open discussion with NASPI attendees
	NASPI Work Group Reception
5:00 – 6:00 pm	Please join us in the NASPI Reception in the main meeting room.

Eastern Time	Thursday, October 7, 2021
11:00 – 11:05 am	Welcome & Agenda Review: Jeff Dagle (PNNL)
	Session # 7 – Using Synchrophasor Data in the Control Room
11:05 – 11:25 am	Landsnet use of synchrophasor data for monitoring and control of your system - Birkir Heimisson (Landsnet)
	Session # 8 – IEEE/NASPI Oscillation Source Contest
11:25 – 12:55 pm	Panel Moderator: Jim Follum (PNNL) Contest Introduction : Jim Follum (PNNL), Evangelos Farantatos (EPRI), Slava Maslennikov (ISO-NE) Top Performers of the IEEE-NASPI Oscillation Source Location Contest: <ul style="list-style-type: none"> • Pablo Daniel Gill Estevez (FIUBA) • Gang (George) Zheng (GE) • Denis Osipov (RPI)
12:55 – 2:00 pm	Break
	Session # 9 – Other Synchronized Measurements Update
2:00 – 2:10 pm	NERC Synchronized Measurement Working Group (SMWG) update: Tim Fritch (TVA)
2:10 – 2:20 pm	EIDSN update – Kent Simendinger
2:20 – 2:30 pm	IEEE update : Allen Goldstein
2:30 – 2:50 pm	 MathWorks Partner presentation from MathWorks - MathWorks Update on Capabilities for System Simulation and Data Analytics - Jonathan LeSage and Graham Dudgeon
2:50 – 3:05 pm	Break
	Session # 10 – Inertia Monitoring
3:05 – 4:35 pm	Panel Moderator: Aftab Alam (CAISO) Recent trends in Inertia Monitoring, Estimation, Forecasting and Impacts on the Grid <ul style="list-style-type: none"> • Yilu Liu (UTK) • Stuart Clark (GE) • Krish Narendra (EPG) • Urmila Agrawal (PNNL)
4:35 – 4:55pm	 “Distribution Linear State Estimation to Improve PMU Data Quality: ComEd Experience” - Shikhar Pandey (ComEd) and Marianna Vaiman (V&R Energy)
4:55 – 5:00pm	Open Discussion and Questions, moderated by Jeff Dagle

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

