



NASPI Work Group Virtual Meeting
November 3-5, 2020
11:00AM – 4:00PM Eastern Time

The North American Synchrophasor Initiative (NASPI) Work Group meeting will be November 3-5, 2020, featuring technical sessions and presentations that showcase innovative applications of synchrophasor technology. We will also feature opportunities associated with wide-area streaming applications of high-speed advanced sensors time-synchronized measurements, including issues associated with inverter-based generation and the ability to maintain essential reliability services. Our distinguished keynote speakers are:

- Mark G. Lauby, Senior Vice President and Chief Engineer, North American Electric Reliability Corporation on Tuesday, November 3, 2020
- Daniel Brooks, Vice President, Power Delivery and Utilization – Integrated Grid, Electric Power Research Institute on Wednesday, November 4, 2020
- Michael Pesin, Deputy Assistant Secretary, Office of Electricity's Advanced Grid Research & Development, U.S. Department of Energy on Thursday, November 5, 2020

NASPI Work Group registration: The registration fee is \$150 for standard attendees and \$75 for students.

Partnership Opportunities (a.k.a. Vendors): 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.

Virtual Poster Session: Thank you to those of you who submitted a video presentation. The videos are posted on the NASPI [website](#) and are listed at the [bottom](#) of the agenda.

Draft 10/30/20

Eastern Time	Tuesday, November 3, 2020
11:00 – 11:05 AM	Welcome & Introductions: Jeff Dagle (PNNL)
11:05 – 11:25 AM	Keynote Speaker: Mark Lauby (NERC)
	Session #1
11:25 – 11:50 AM	Oscillation analysis on an Interconnection Scale: John Skeath (NERC)
11:50 -12:10 PM	Automated Generator Model Calibration with PredictiveGrid: Chen Wang, Kevin D. Jones (Dominion Energy), Luigi Vanfretti (RPI)
12:10 – 12:15 PM	BREAK
12:15 – 12:35 PM	Southern Company's Schatz Grid Visualization and Analytics Center (SGVAC): Clifton Black (Southern Company)
12:35 – 12:55 PM	Forced Oscillation Localization in ERCOT System through Synchrophasors: Tong Huang (TAMU), Diran Obadina, Nemica Kadel, Jian Ma, Patrick Gravois, Prabhu Gnanam (ERCOT), Le Xie (TAMU)
12:55 – 1:15 PM	BREAK
1:15 – 1:45 PM	Silver Partner - Schweitzer Engineering Laboratories_ Synchrowave Operations Live Demo – Synchophasors, SCADA, GIS, and Weather Together: Greg Zweigle, Jared Bestebreur
	Session #2
2:00 – 3:00 PM	NI4AI_Accelerating Data Access, Analytics and Collaboration: Sascha von Meier (UC Berkeley) – moderator, Mack Grady (Baylor University), Theo Laughner (PowerGrid-RX), Kamron Tangney (PowerSide), Laurel Dunn (UC Berkeley/PingThings/NI4AI)

3:00 – 3:05 PM	BREAK
3:05 – 3:20 PM	Substation Asset Health Monitoring Using Synchrophasors: Neeraj Nayak, Joshua Chynoweth (EPG), Qiushi Wang (AEP)
3:20 – 3:35 PM	Analytics with Continuous Point-on-Wave Data - A Signal Processing Perspective: Abhishek Madhyastha (AMETEK)
3:35 – 3:40 PM	SMS update: Tim Fritch (TVA)
3:40 – 3:45 PM	JSIS update: Hongming Zhang (NREL)
3:45 – 3:50 PM	EIDSN update: Kent Simendinger (EIDSN)
3:50 – 3:55 PM	IEEE update: Allen Goldstein (NIST)
	Wednesday, November 4, 2020
10:15 – 10:45 AM	Silver Partner – Synaptec_Deploying large-scale CPOW monitoring and analysis: Dr. Steven Blair
11:00 – 11:05 AM	Welcome & Introductions: Jeff Dagle (PNNL)
11:05 – 11:25 AM	Keynote Speaker: Daniel Brooks (EPRI)
	Session #3
11:25 – 11:45 AM	EPRI update: Mahendra Patel
11:45 – 12:05 PM	Real-time System Applications for Monitoring and Control: Ken Martin (EPG), Neeraj Nayak, Iknoor Singh, Wenyun Ju (EPG), Tony Faris (BPA), Atena Darvishi (NYPA)
12:05 – 12:10 PM	BREAK
12:10 – 12:30 PM	Practical Use of Synchrophasor Technology in New England: Xiaochuan Luo, Slava Maslennikov, Frankie Zhang, Song Zhang, Eugene Litvinov (ISONE)
12:30 – 12:50 PM	Challenges and Solutions Deploying Synchrophasors in the Control Center at SDG&E: Greg Zweigle, Jared Bestebreuer (SEL), Tariq Rahman (SDG&E)
12:50 – 1:15 PM	BREAK
1:15 – 1:45 PM	Silver Partner – IEEE: Jason Allnutt
	Session #4
2:00 – 3:00 PM	D&NMTT Panel: DNMTT Success Stories and Lessons Learned of Utility Synchrophasor Archive and Network Stand-Ups - Kevin Jones (Dominion), Sherman Chen (PG&E), Tony Faris (BPA), David Schooley (ComEd)
3:00 - 3:05 PM	BREAK
	Task Team updates
3:05 – 3:15 PM	Control Room Solutions Task Team
3:15 – 3:25 PM	Data & Network Management Task Team
3:25 – 3:35 PM	Distribution Task Team
3:35 – 3:45 PM	Engineering Analysis Task Team
3:45 – 3:55 PM	Performance, Requirements, Standards & Verification Task Team
	Thursday, November 5, 2020
10:15 – 10:45 AM	Silver Partner – MathWorks: Graham Dudgeon
11:00 – 11:05 AM	Welcome & Introductions: Jeff Dagle (PNNL)
11:05 – 11:25 AM	Keynote Speaker: Michael Pesin (DOE)
	Session #5
11:25 – 11:50 AM	GMLC/FOA 1861 Portfolio & Big Data Analytics Projects update: Sandra Jenkins (DOE)
11:50 – 12:10 PM	Analysis of Recent Oscillation Events in the European ENTSOE Power Grid: Mani V. Venkatasubramanian, Maddipour Farrokhifard (WSU), Gilles Torresan, Florent Xavier, Patrick Panciatici (RTE)
12:10 – 12:15 PM	BREAK
12:15 – 12:35 PM	Identification and Evaluation of Oscillations in the Cordova, Alaska Microgrid: Jim Follum (PNNL), Nate Cain (CEC)
12:35 – 12:55 PM	Wide-Area Oscillation Assessment and Trending Analysis with High Penetration of Renewables: Urmila Agrawal, Renke Huang, James Follum, Zhenyu Huang, Yousu Chen,

	Shaobu Wang, Pavel Etingov (PNNL), Ning Zhou (Binghamton U), Bahram Barazesh, Kent Davis (FERC)
12:55 – 1:15 PM	BREAK
1:15 – 1:45 PM	Silver Partner – Ping Things, Inc.: Sean Murphy
	Session #6
2:00 – 3:00 PM	High Speed Advanced Sensor Panel: Tom King (ORNL) - moderator
3:00 – 3:05 PM	BREAK
3:05 – 3:45 PM	NASPI "Ask Me Anything" Panel - NASPI Leadership Team: Jeff Dagle - moderator

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



Video Poster Session

- *Classification of Fault Location and Prediction of Its During Using Machine Learning Models in Power Systems* - Zakaria El Mrabet ([MP4 video](#))
- *Machine Learning for Online Situational Awareness in Power Grids* - Shiyuan Wang ([MP4 Video](#))
- *Distributed Electromechanical Sensing* - Steven Blair ([MP4 video](#))
- *NI4AI: Catalyzing Advancements in Data Analytics for the Grid* - Laurel Dunn ([MP4 video](#))
- *Prony Ringdown Analysis for Online Real-time Control Room Environment* - Arif Khan ([MP4 video](#))