



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

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 – Synchrophasors, 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	SMWG (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 – Mitigating Oscillations : Evangelos Farantatos
11:45 – 12:05 PM	Real-time System Applications for Monitoring and Control : Ken Martin (EPG), Neeraj Nayak, Iknor 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 Bestebreur (SEL), Tariq Rahman (SDG&E)
12:50 – 1:15 PM	BREAK
1:15 – 1:45 PM	Silver Partner – IEEE Synchrophasor Certification Program : 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: Matthew Rhodes (SRP)-moderator, Sherman Chen (PG&E), Tony Faris (BPA), David Schooley (ComEd), Kevin Jones (Dominion)
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 Supporting Operations Excellence in the Electric Power Industry : 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	Transmission Research Program : FOA 1861 - Big Data Analysis of Synchrophasor Data: Sandra Jenkins (DOE)
11:50 – 12:10 PM	Interarea oscillations in Continental Europe : Analysis of 1st December 2016 event: 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, Yilu Liu, Eric Zhan (University of Tennessee & ORNL), Farnoosh Rahmatian (NuGrid Power Corp), Kyle Thomas (Dominion Energy), Marissa Morales (ORNL)
3:00 – 3:05 PM	BREAK

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](#))