



NASPI Work Group Virtual Meeting November 3-5, 2020

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 *early bird* registration fee will be \$100 for standard attendees and \$50 for students. The regular rate will be \$150 and \$75 respectively for registrations made after October 16, 2020. **The registration site is under construction; when ready a link will be emailed to the Work Group.**

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: The virtual poster session will be hosted on the [NASPI](#) website. NASPI WG meeting paid attendees are encouraged to submit a 2-minute prerecorded video that will consist of your work in poster form and the individual speaking to the poster content. Videos due to [NASPI](#) by October 16, 2020.

Draft 9/10/20

| Eastern Time | Tuesday, November 3, 2020 |
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| 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 | Modeling Inverter Based Resources: 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) – to be confirmed |
| 12:35 – 12:55 PM | Forced Oscillation Localization in ERCOT System through Synchrophasors: Tony Huang (TAMU) |
| 12:55 – 1:00 PM | NASPI Technology Partner Presentation |
| 1:00 – 2:00 PM | BREAK |
| | Session #2 |
| 2:00 – 3:00 PM | National Infrastructure for AI project: Sascha von Meier (UC Berkeley) - moderator |
| 3:00 – 3:05 PM | BREAK |

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| 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) – to be confirmed |
| 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 |
| 3:50 – 3:55 PM | IEEE update: Allen Goldstein (NIST) |
| 3:55 - 4:00 PM | NASPI Technology Partner Presentation |
| Wednesday, November 4, 2020 | |
| 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 |
| 11:45 – 12:05 PM | Real-time System Applications for Monitoring and Control: Ken Martin (EPG) |
| 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 – 12:55 PM | NASPI Technology Partner Presentation |
| 1:00 – 2:00 PM | BREAK |
| 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 |
| 3:55 – 4:00 PM | NASPI Technology Partner Presentation |
| Thursday, November 5, 2020 | |
| 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: Sandy 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) |
| 12:35 – 12:55 PM | Wide-Area Oscillation Assessment and Trending Analysis with High Penetration of Renewables: Urmila Agrawal (PNNL) |
| 12:55 – 1:00 PM | NASPI Technology Partner Presentation |
| 1:00 – 2:00 PM | BREAK |
| Session #6 | |

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| 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 |