


NASPI Work Group Meeting and Vendor Show
Embassy Suites by Hilton Chicago Downtown Magnificent Mile
511 N Columbus Dr.
Chicago, IL 60611
April 14 – 15, 2026 (In-Person)

The Novel Applications for Synchronized Power Instrumentation (NASPI) Work Group Meeting and Vendor Show will be held in Chicago, Illinois, April 14-15, 2026, featuring invited speakers and technology partners demonstrating their latest offerings. You will hear presentations from companies and individuals who are using synchronized measurement technology successfully to solve specific challenges and the lessons they learned along the way.

Our distinguished **keynote speaker** is Craig Creamean, Vice President of Transmission Operations at Exelon Corporation.



Registration is open! Early-bird [registration](#) will be \$650 for regular attendees and \$250 for students until March 20, 2026. Rates will then increase to \$750 for regular attendees and \$350 for students.

We're excited to have our partners showcase their innovations at the upcoming NASPI event. We've reserved a special area at the venue for your booth, giving you a great opportunity to feature your technologies to NASPI participants as detailed in our [Partnership document](#). Additionally, you'll have the chance to give a 5-minute flash talk before the breakout sessions on Tuesday, providing a quick spotlight on your offerings.

| Tuesday, April 14, 2026 | |
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| 7:00 – 8:00 am | Registration and coffee |
| 8:00 – 8:05 am | Welcome, Introductions, and Logistics Review: Jim Follum (PNNL) |
| 8:05 – 8:25 am | Keynote: Craig Creamean (Exelon) |
| 8:25 – 8:45 am | NASPI Update – Jim Follum (PNNL) |
| | Session 1 – Utility Success Stories |
| 8:45 – 9:05 am | Field Demonstration of Cloud-Based Oscillation Monitoring in the Eastern Interconnection – Xiaochuan Luo (ISO-NE) and Yang Chen (PJM) |
| 9:05 – 9:25 am | Using Synchrophasors to Support Islanding Resynchronization in Real-Time Operation – Rodrigo Barbosa (Operado Nacional do Sistema Eletrico (ONS)) |
| 9:25 – 9:45 am | Generation Unit Model Parameter Calibration through Synchrophasor Data – Fernando Fachini (Dominion Energy) |
| 9:45 – 10:05 am | Localizing Cyclic Industrial Load-Induced Forced Oscillations at the Entergy Grid using Synchrophasor Measurements – Evangelos Farantatos (EPRI) |
| 10:05 – 10:15 am | Gold Partner Flash Talk  SCHWEITZER ENGINEERING LABORATORIES |
| 10:15 – 10:40 am | Break |

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| | Session 2 – Next-Generation Architectures and Analytics |
| 10:40 – 10:50 am | DOE Operations and Planning Tools for Inverter-Based Resource Management and Availability for Future Power Systems (OPTIMA) Projects – Rapid Health Risk Assessment Tools for Grid Operations: SRP Utility Perspective – Matthew Rhodes (Salt River Project) |
| 10:50– 11:10 am | Grid Operator Analytics and Assessment Tools for Inverter-Based Resources Dominated Grid (GOAAT-IBR) – A Cloud-Native Architecture for Scalable Ingestion and Operational Use of Measurement Data – Farrokh Aminifar and Chris Carpenter (Danovo Energy Solutions) |
| 11:10 – 11:30 am | DASH-IBR: Dynamic Assessment of System Health for Inverter-based Resource (IBR)-dominant Power Systems – Anamitra Pal (Arizona State University) |
| 11:30 – 11:50 am | Distributed Waveform Analytics in the Wave Apps Platform – Jim Follum (PNNL) |
| 11:50 – 12:00 pm | Gold Partner Flash Talk  |
| 12:00 – 1:00 pm | Lunch |
| | Session 3 – Analysis of Emerging System Dynamics |
| 1:00 – 1:20 pm | Synchrophasor-Based Monitoring, Analysis, and Mitigation of Large Data Centre Load Impacts on Power System Dynamics – Aravindhan Vadivel (GE Vernova) |
| 1:20 – 1:40 pm | Dynamic Performance Analysis of an Inverter-Based PV Plant during Sunrises and Sunsets through Synchrophasors – Bikal Pudasaini (Dominion Energy) |
| 1:40 – 2:00 pm | Spain Outage from the Perspective of IOT Sensor Network – Theo Laughner (Lifescale Analytics) |
| 2:00 – 2:10 pm | Gold Partner Flash Talk  |
| 2:10 – 2:30 pm | Break |
| | Session 4 - Task Team Breakout Sessions |
| 2:30 – 5:00 pm | Control Room Solutions Task Team (CRSTT) <ul style="list-style-type: none"> ComEd's Voltage Contouring Using Synchrophasors for Real-Time Monitoring in Control Room – Backer Abu-Jaradeh (Electric Power Group) Situational Awareness-Driven Control in the KEPCO WAMAC System Phase 1: From Parameter Identification to Active Grid Actuation – Minhan Yoon (Kwangwoon University / Visiting Scholar, University of Tennessee, Knoxville (UTK)) |
| | Data & Network Management Task Team (DNMTT) <ul style="list-style-type: none"> Field Synchrophasor Data Quality Overview and The Experience Using Synchrophasor Status Word as Data Quality Indicator – Zheyuan Cheng (Danovo Energy Solutions) GridStream: A Hardware-Efficient Framework for Bandwidth-Constrained Point-on-Wave Disturbance Monitoring – Md Rubel Ahmed (Louisiana Tech University) |
| | Distribution Task Team (DisTT) <ul style="list-style-type: none"> Event-Type Identification in Distribution Grids Using Synchro-waveform Measurements from Adjacent Infrastructure – Ali Riza Ekti and Steve Glennon (Grid Visibility) Dynamic Model Validation Leveraging AMI 2.0 Point-on-Wave Measurements – Kiran Kumar Challa (ANL) |

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| | Engineering Analysis Task Team (EATT) <ul style="list-style-type: none"> • Verify & Validate + Calibrate Tool (V²Cal) for Automated Model Parameters Tuning – Pavel Etingov (PNNL) • AI-based Transient Frequency Estimation – Chufeng Sun (University of Texas at San Antonio) • Applicability and Limitations of Using PMU Data for High- Frequency Oscillations – Bowen Ou (University of Texas at San Antonio) |
| 5:00 – 6:30 pm | NASPI Reception & Awards |

| Wednesday, April 15, 2026 | |
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| 7:00 – 8:00 am | Registration and coffee |
| | Session 5 – NASPI Task Team Report Outs |
| 8:00 – 8:45 am | <ul style="list-style-type: none"> • CRSTT – Michael Nugent and Kliff Hopson • DNMTT – Dan Brancaccio • DisTT – Panos Moutis and Bryce Johanneck • EATT – Urmila Agrawal and Lin Zhu |
| | Session 6 – NASPI Challenge |
| 8:45 – 9:05 am | Jared Bestebreuer (Schweitzer Engineering Laboratories) |
| 9:05 – 9:25 am | Justin Gilmer (PingThings) |
| 9:25 – 9:40 am | Silver Partner Flash Talks  |
| 9:40 – 10:10 am | Break |
| | Session 7 – Utility Experience |
| 10:10 – 10:30 am | Finishing the Last Mile – ISO-NE’s Journey to Bring Synchrophasors Under NERC CIP – Xiaochuan Luo and Kris Kumsi (ISO-NE) |
| 10:30 – 10:50 am | PMU Placement at SDG&E: Initial Results and Lessons Learned – Robin Manuguid, Shohreh Malekzadeh (SDG&E), Marianna Vaiman (V&R Energy) |
| 10:50 – 11:10 pm | Wider Area Monitoring: A Case for Synchrophasor Data Sharing Across Utility Boundaries – Emmanuel Oleka (Dominion Energy) |
| | Session 8 – Resilient Timing |
| 11:10 – 11:30 am | Hardware-in-the-Loop Testing of Timing Impairments in Synchrophasor Systems – Mohammed Olama and Ori Wu (ORNL) |
| 11:30 – 11:50 am | Complementary Precise Timing Distribution in a Transmission Utility Environment – Carol Larvick (PNNL) |
| 11:50 – 12:00 pm | Silver Partner Flash Talks  |
| 12:00 – 1:00 pm | Lunch |
| | Session 9 – Data Availability |
| 1:00 – 1:20 pm | File-based Synchrophasor Data Transfer using IEEE 2664 (STTP) – Scott Mix (PNNL) |
| 1:20 – 1:40 pm | A Large-Scale Dataset for Synchrophasor-Based Oscillation Analysis – Mani Venkatasubramanian (Washington State University) |
| 1:40 – 2:00 pm | Ushering in a new era of data sharing needs for utilities – Eric Andersen (PNNL) |
| | Session 10 – NASPI Technical Reports |

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| 2:00 – 2:15 pm | Measurement Systems for Monitoring Data Center Oscillations – Kaustav Chatterjee (PNNL) |
| 2:15 – 2:30 pm | IBR Performance Response and Analytics Monitoring (IPRAM) – Priya Mana (PNNL) |
| 2:30 – 2:50 pm | Break |
| | Session 11 – Joint Task Force Updates |
| 2:50 – 3:05 pm | IEEE/NASPI Synchro-Waveform State of Practice Task Force Update – Kaustav Chatterjee (PNNL) and Hamed Mohsenian-Rad (University of California-Riverside) |
| 3:05 – 3:20 pm | NERC SMWG/NASPI for Role-Based Synchrophasor Training – Clifton Black (Southern Company) and Eric Andersen (PNNL) |
| | Session 12 – Inertia Monitoring |
| 3:20 – 3:40 pm | A Cloud-Based Grid Monitoring Tool in the Control and Planning Rooms? It Already Exists - Design and Global Success Stories – Diego Rodriguez (Reactive Technologies) |
| 3:40 – 4:00 pm | Regional Inertia Dynamics of U.S. Interconnections: An Event-Based Measurement Approach – Yilu Liu (University of Tennessee / ORNL) |
| 4:00 – 4:20 pm | Deployment of Real-Time Inertia Estimation and System Strength Monitoring at Oman Electric Transmission Company (OETC) for Real-Time Operations – Backer Abu-Jaradeh (Electric Power Group) |
| 4:20 – 4:40 pm | Regional Grid Inertia Estimation Using Synthetic Ambient Synchrophasor Measurements - ComEd/Exelon Case Study – Lin Zhu (EPRI) |
| | Closing |
| 4:40 – 4:45 pm | Closing remarks, open discussion, next steps – moderated by Jim Follum |
| 4:45 pm | Adjourn |

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

Gold Partners



PingThings

Silver Partners



DATA SOCIETY: