

THE NORTH AMERICAN SYNCHROPHASOR INITIATIVE WEBINAR PANELIST DISCUSSIONS

April 15 - 8:00am PDT / 11:00am EDT (1.5 hrs) **National Infrastructure for Artificial Intelligence on the Grid (NI4AI)**

Moderator: *Sascha von Meier, UC Berkeley*

Description: This webinar will introduce the ARPA-E funded NI4AI effort, built on PingThings' PredictiveGrid platform. Using case examples involving different types of data analytics from academia and utility practice, Sascha will highlight the role of geographic scope, heterogeneity, and real vs. synthetic data for creating new intelligence about the grid. Participants will have the opportunity to contribute comments and ideas about how this budding infrastructure can best serve their needs.

Panel will consist of: Sean Murphy (CEO, PingThings), Prof. Luigi Vanfretti (Rensselaer Polytechnic Institute) and Dr. Kevin Jones (Dominion Energy).



April 15 - 10:00am PDT / 1:00pm EDT (1.5 hrs) **Use of Synchrophasor Technology in Control Rooms: Opportunities and Challenges**

Moderator: *Sarma NDR Nuthalapati, Co-Chair, NASPI Control Room Solutions Task Team*

Description: There are significant efforts taking place in using Synchrophasor Technology in control room operations. This panel will discuss some of the opportunities and challenges in taking technology to the control room.

Panel will consist of: CAISO: Aftab Alam, San Diego Gas and Energy (SDG&E): Tariq Rahman and Greg Zweigle, American Transmission Co (ATC): James Kleitsch.



To attend please **register** at www.naspi.org/node/821

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April 16 - 8:00am PDT / 11:00am EDT (1.5 hrs)
Future Requirements for the Measurement of Frequency and ROCOF

Moderator: Allen Goldstein, NIST

Description: In electrical power systems around the world, accurate and timely measurement of Frequency and ROCOF have been rapidly gaining importance. With increasing requirements for power system automation, and an increasing shift towards inverter-based resources, several organizations have been independently looking into the future performance requirements for frequency and ROCOF. This virtual panel of experts will focus on the future requirements for the accuracy of Frequency and ROCOF on the grid, in both transmission and distribution systems. Additionally, information to help understand the challenges in determining F and ROCOF measurements in a timely manner will also be presented.



Panel will consist of:

- Dr. Guglielmo Frigo of EPFL and Dr. Gert Reitveld, representing the EURAMET study on ROCOF requirements: <http://www.rocofmetrology.eu/> and work being done at EPFL and METAS, the Swiss National Metrology Institute.
- Dr. Gustavo Brunello of GE, representing IEC TC8 / TC96 JWG 12: which is drafting an IEC standard for Frequency and ROCOF measurement performance for various use cases in distribution systems.
- Dr. Filipe Wilches-Bernal of Sandia National Labs, representing the DOE funded project on “Numerical Algorithms for Estimating Frequency to Enable Synthetic Inertia”. The results of which are helpful in understanding the challenges of frequency and ROCOF estimation.

To attend please **register** at <https://www.naspi.org/node/823>

April 16 – 11:30am PDT / 2:30pm EDT (1.5 hrs)

Program updates

Moderator: Jeff Dagle, PNNL

Description: Overview of the use of synchrophasor technologies, tools, and applications to operate a more resilient and efficient electric grid continue to evolve. Listen to what the leaders have to say about what they are doing to continue the advancement of time-synchronized telemetry. Expected updates from DOE, EPRI, FERC, NERC, EIDSN, and the NASPI technical task team leaders.



To attend please **register** at <https://www.naspi.org/node/823>

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