



NASPI AWARDS 2016
Announced and presented on October 19, 2016 at the
NASPI Work Group meeting in Seattle, Washington

The North American SynchroPhasor Initiative (NASPI) is an international community of electric industry members, researchers, and vendors working together to advance the understanding and adoption of synchrophasor technology to enhance power system reliability and efficiency. This is the third year that NASPI has issued awards to recognize significant accomplishments and contributions of its members.

NOTE – For those award recipients who were present to accept their awards at the NASPI Work Group meeting on October 19, photos follow the text below.

Outstanding Utility -- Power Grid Corporation of India, Ltd.

The Power Grid Corp. of India installed its first synchrophasor system for wide-area monitoring in 2009 to support control room operations. POWERGRID has since installed a new, nationwide WAMS system, the Unified Real-Time State Measurement System, covering its entire high-voltage grid and all major generating plants. This is one of the largest and most ambitious synchrophasor projects in the world. POWERGRID and its subsidiary POSOCO have been generous in sharing their insights and lessons with NASPI, sending teams of executives and engineers to present their findings at NASPI meetings.

Volunteer of the Year -- Marianna Vaiman, V&R Energy Systems Research

Marianna Vaiman has for years provided extraordinary input to NASPI and IEEE, particularly in developing and sharing control room solutions based on synchrophasor technology. Marianna has contributed to numerous NASPI and IEEE-PES studies and offers good insights to solve practical utility problems.

Volunteer of the Year -- Shaun Murphy, PJM

Shaun Murphy is an engine behind PJM's synchrophasor advancements and has been crucial to many of PJM's synchrophasor system efforts. Shaun has shared many of PJM's advances, including linear state estimation, with the NASPI community.

Distinguished Service -- David Bertagnolli, ISO-New England

Dave Bertagnolli has been a contributor and leader within the NASPI community, bringing vision, leadership, dedication and hard work to advance the use of synchrophasor technology across North America. Dave led ISO-New England's synchrophasor project and has guided NASPI's Performance Requirements, Standards and Verification Task Team.

Control Room Solutions Task Team Most Valuable Players -- Slava Maslennikov, Frankie Zhang & Xiaochuan Luo (ISO-New England) and Kai Sun & Bin Wang (University of Tennessee at Knoxville)

Slava, Frankie and Xiaochuan and the rest of the ISO-New England team, with Kai Sun and Bin Wang from the University of Tennessee-Knoxville, have earned the CRSTT MVP award for their work to create a library of oscillation test cases that can be used to test oscillation detection and modal analysis tools to support real-time operations.

Control Room Solutions Task Team Most Valuable Player -- Marianna Vaiman, V&R Energy

Marianna Vaiman has been a dedicated supporter of the NASPI CRSTT and led efforts to develop surveys and write technical papers on voltage stability and enhanced state estimation. This work provides great value to the worldwide synchrophasor community.

Data & Network Management Task Team Most Valuable Player -- James Ritchie Carroll, Grid Protection Alliance

For over a decade, Ritchie Carroll and his colleagues at GPA have created a variety of high-value open source software products that have improved synchrophasor users' ability to deploy and manage PMUs and protect and manage their PMU data streams. Ritchie has been a strong contributor to DNMTT's work.

Engineering Analysis Task Team Most Valuable Player -- Dr. Raymond de Callafon, University of California – San Diego

Dr. de Callafon introduced innovative signal processing technology that demonstrates the ability to extract dynamic models of the power system from typical grid events. His work allows us to use PMU data for on-line grid controls and direct feedback control systems for micro-grids.

Engineering Analysis Task Team Most Valuable Players -- Dr. Harold Kirkham (PNNL) & Dr. Mani Venkatasubramanian (Washington State University)

Drs. Kirkham and Venkatasubramanian were leading contributors in a team that developed the EATT's technical report on the calculation of phase angles and phase angle differences. The resulting paper integrates diverse options and opinions into practical guidance for users and practitioners.

Performance Requirements, Standards & Verification Task Team Most Valuable Player -- Ray M. Hayes, R. M. Hayes, LLC

Ray Hayes is the individual who warned NASPI about the insertion of the leap second in June 2015, raising awareness about the leap second and initiating NASPI's investigation into leap second impacts. Ray has also contributed to PRSVTT discussions on new and novel uses of PMUs and the effects of PMU functionality upon digital relay protection functions.

Outstanding Graduate Student (1) -- Ahad Esmaeilian, Texas A&M

Ahad Esmaeilian is studying at the Power Systems Control & Protection Laboratory at Texas A&M. He is an excellent student working on the use of synchrophasor systems to prevent major blackout, and has published and presented numerous papers on this topic, including presentations at NASPI.

Outstanding Graduate Student (2) -- Deepak Ramasubramanian, Arizona State University

Deepak created the datasets used for the NASPI Power Plant Model Verification Technical Workshop, using good engineering judgment to develop the test models and suite of PMU events. He has also worked on dynamic load modeling and generator interconnection stability studies using PMU data.

Outstanding Graduate Student (3) -- Gefei "Derek" Kou, University of Tennessee at Knoxville

Derek Kou is working on the application of synchrophasor measurements on system-level dynamic model validation, improving simulation accuracy and renewable integration studies. His work has been presented at NASPI and published in several journals, and cited in the Universal Grid Monitoring & Analyzing System's Year 2015 R&D 100 Finalist Award.

**Synchrophasor Technology Champion – Phil Overholt, Program Manager,
U.S. Department of Energy**

As R&D program manager, Phil Overholt recognized the potential of synchrophasor technology to improve grid operations and reliability, and has skillfully managed a strong R&D program and investments to accelerate its maturity and use. Synchrophasor technology would not exist today without Phil's vision and guidance.

**Synchrophasor Technology Champion -- Patricia Hoffman, Assistant Secretary,
U.S. Department of Energy**

As the leader of DOE-OEDER, Pat Hoffman has consistently held a strong vision for the use of synchrophasor technology and supported strong R&D and program investments to accelerate its maturity and use.

PHOTOS OF AWARDS RECIPIENTS

Rahul Choubey, Power Grid Corporation of India, Ltd., with U. S. Department of Energy Assistant Secretary Patricia Hoffman, accepting the NASPI Award for Outstanding Utility of the Year



Marianna Vaiman, V&R Energy Systems Research with U.S. Department of Energy Assistant Secretary Patricia Hoffman, accepting the NASPI Award for CRSTT Most Valuable Player (Vaiman also received the Volunteer of the Year award)



Shaun Murphy, PJM, with U.S. Department of Energy Assistant Secretary Patricia Hoffman, accepting the NASPI Award for Volunteer of the Year



Xiaochuan Luo (ISO-New England) with U.S. Department of Energy Assistant Secretary Patricia Hoffman, accepting the NASPI Award for Control Room Solutions Task Team Most Valuable Players (Luo also accepted the Distinguished Service Award for Dave Bertagnolli)



James Ritchie Carroll, Grid Protection Alliance, with U.S. Department of Energy Assistant Secretary Patricia Hoffman, accepting the NASPI Award for Data & Network Management Task Team Most Valuable Player



Dr. Harold Kirkham (PNNL) & Dr. Mani Venkatasubramanian (Washington State University) with U.S. Department of Energy Assistant Secretary Patricia Hoffman, accepting the NASPI Award for Engineering Analysis Task Team Most Valuable Players



Dr. Yilu Liu, University of Tennessee – Knoxville, with U.S. Department of Energy Assistant Secretary Patricia Hoffman, accepting the NASPI Award for Outstanding Graduate Student on behalf of Gefei “Derek” Kou, University of Tennessee at Knoxville



U.S. Department of Energy Assistant Secretary Patricia Hoffman and DOE Program Manager Phil Overholt with Jeffery Dagle (Pacific Northwest National Laboratory) and Alison Silverstein (NASPI Project Manager), accepting Synchrophasor Technology Champion awards



Extra photos from the NASPI Work Group meeting on October 19, 2016



Ryan Nice (PJM), addressing the group

