NASPI

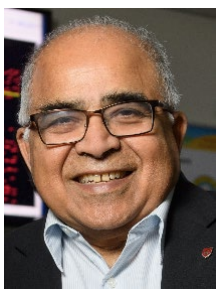
THE NORTH AMERICAN SYNCHROPHASOR INITIATIVE

WEBINAR SERIES

Developing the future energy systems workforce: Perspectives from the industry and academia

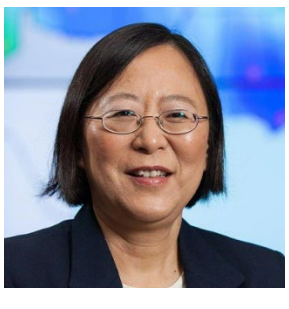
The power grid is rapidly evolving, and so is increasing the need for a skilled workforce to effectively operate a cleaner, more reliable, and resilient grid in the future. Today, a power systems engineer needs diverse tools, at the intersection of classical power engineering, communication systems, cybersecurity, and data analytics to meet the needs of changing grid operations. Universities are tasked with the responsibility of equipping students with knowledge in these diverse domains. Join us for a discussion on how universities in the U.S. are preparing students to be successful in their power systems careers, what can be done better, and how the industry can effectively support universities in developing the future energy systems workforce. Panelists will bring decades of experience in academia and industry.

Panelists:



Dr. Anjan Bose is a Regents Professor and the Distinguished Professor of Electric Power Engineering at Washington State University, where he also served as the Dean of the College of Engineering & Architecture. He has over forty years of experience in the industry and academia; and has served as an advisor to different utilities and governments, including the USDOE, on power grid issues. Professor Bose is a Member of the US National Academy of Engineering, a Foreign Member of both the Chinese and Indian National Academy of Engineering, and Fellow of IEEE. He is a recipient of many prestigious awards such as the IEEE Herman Halperin Award, the IEEE Millennium Medal, and Distinguished Alumni Awards from IIT Kharagpur and Iowa State University.

Dr. A.P. "Sakis" Meliopoulos is the Georgia Power Distinguished Professor in the School of Electrical & Computer Engineering at Georgia Tech and serves as the site director of PSERC and as the Associate Director of Cyber-Physical Systems for the Institute for Information Security & Privacy. He helped the development of the power program at Georgia Tech by contributing to the modernization of existing courses, introducing new courses, initiating research activities, and developing continuing education programs and the Power System Certificate program. Dr. Meliopoulos is a Fellow of IEEE and has pioneered several new analysis and design techniques for bulk power reliability analysis, safety, centralized substation protection and electromagnetic compatibility of electric power systems. He holds a PhD in Electrical Engineering from Georgia Tech.



Dr. Yilu Liu currently serves as the Governor's Chair Professor at The University of Tennessee, Knoxville, and Oak Ridge National Laboratory. She is an expert in large grid dynamic simulations and modeling; and led the effort to create the North American power grid Frequency Monitoring Network FNET/GridEye. Dr. Liu is a Fellow of IEEE, a member of the National Academy of Inventors as well as the National Academy of Engineering. She holds a PhD in Electrical Engineering from Ohio State University.

Dr. Kevin Jones received his Ph.D. from Virginia Tech as a Harry Lynde Bradley Fellow in 2013 where he studied synchrophasor technology, wide area measurement systems, and linear state estimation. Kevin developed the open-source Linear State Estimator, now commercialized by several industry vendors, used for improving resiliency of real-time transmission control centers. While at Dominion Energy, Kevin developed the Analysis On Demand (ANODE) platform, increasing the analytic throughput of the outage planning team by more than 1000x. He championed much of Dominion's synchrophasor data program over the last decade and now oversees an organization of approximately 30 engineers who focus on physics-based modeling and simulation, data-driven operations support, and engineering analysis of time-series sensor data from the electric transmission grid.

To attend this free webinar, please register at https://www.naspi.org/node/958.

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Wednesday, July 27, 2022
10:00 a.m. Pacific / 1:00 p.m. Eastern (1 hr.)
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