



THE WSU-PNNL ADVANCED GRID INSTITUTE

WSU-PNNL AGI Webinar

*An “Unusual” Year in DOE – observations and learning experience
on renewable energy and grid integration*

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Monday, November 30, 2020 • 3:30 – 4:30 p.m. (PT)

Abstract:

Henry just completed a one-year assignment as a Technical Advisor at the US DOE EERE Solar Energy Technologies Office (SETO). His assignment focuses on developing a 10-year strategy for SETO’s program on grid integration of solar generation. As part of this assignment, he also interacted and coordinated with Office of Electricity (OE), Office of Cybersecurity, Energy Security and Emergency Response (CESER), and other EERE offices on wind, water, buildings, fuel cell, etc. He had an opportunity to be embedded in the SETO office environment and observe many of the discussions on technical challenges and program activities. In this webinar, Henry will share his DOE experience as well as his learning on DOE strategic directions. Technical aspects cover renewable generation, power electronics, power system flexibility, reliability, and resilience.



Zhenyu (Henry) Huang (*Ph.D., P.E., F.IEEE*) is Laboratory Fellow at Pacific Northwest National Laboratory (PNNL), Richland, WA, and Research Professor at Washington State University, Pullman, WA. He served as Technical Advisor at the US DOE EERE Solar Energy Technologies Office (SETO) from 2019-2020. His research focuses on advancing analytical methods for understanding and managing the emerging complexity in the power grid with a new mix of generation and consumption. Dr. Huang has over 190 peer-reviewed publications in the areas of modeling, computing, simulation, optimization and control for power and energy systems. He is a Fellow of IEEE and is active in several IEEE Power and Energy Society (PES) technical committees. He is the recipient of the 2008 PNNL Ronald L. Brodzinski’s Award for Early Career Exceptional Achievement and the 2009 IEEE Power and Energy Society Outstanding Young Engineer Award. Dr. Huang is a registered Professional Engineer in Washington State. Dr. Huang received his B. Eng. from Huazhong University of Science and Technology, Wuhan, China, and Ph.D. degree from Tsinghua University, Beijing, China

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