Opal-RT Bootcamp Webinar

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Date of Webinar: Friday, December 18, 2020
Time: Noon – 1:00 PM MT

Abstract

An increasing number of researchers and research teams are using distributed version This training will provide an introduction to MATLAB, Simulink toolbox, and Real-time simulation using OPAL-RT Simulator. One week prior to the training students will receive a list of required pre-coursework which instructors will build upon in the December 18th webinar

Speaker Bios

Hamed Nademi earned a PhD in Electrical Engineering and Power Electronics in 2014. In the years since, he has gained experience in the private sector as a Senior Research Scientist at ASEA Brown Boveri (ABB), and more recently in the academic sector as a Research Scientist at Rensselaer Polytechnic Institute (RPI), where he led industry-sponsored projects focusing on renewable energy resources, autonomous digital power grids, and transportation electrification. Dr. Nademi's research and teaching interests include power electronics applications in microgrids, electric vehicle charging stations, motor drives, and advanced control methods.

Olga Lavrova is an Associate Professor in the areas of Power Systems and Renewable Energy Integration at the New Mexico State University. Prior to that, Dr. Lavrova was a Principal Member of Technical Staff at Sandia National Labs in the Photovoltaics and Distributed Systems Integration Department. Prior to that, she held a position of Assistant Professor at the Electrical and Computer Engineering Department at the University of New Mexico. Dr. Lavrova has performed groundbreaking work in power electronics, sensors, and materials for grid applications, and recently led experiments assessing EMP (Electro-Magnetic Pulse) effects on utility components at Sandia's state of the art EMP testing facilities. Dr. Lavrova has been a PI on multiple other DOE- and NSF-funded grants concentrating on fundamental PV materials and device operation, as well as their cost-effective, economical and practical deployment in consumer PV applications, as well as grid integration and off-grid operation (such as in remote or isolated locations).

Fengyu Wang received his PhD in Electrical Engineering from Arizona State University. Dr. Wang has significant industrial experience and was previously employed at Midcontinent Independent System Operator as a Senior Market R&D Engineer. Much of his work has led to scientific publications and patents, most of which have been adopted in practice. He specializes in power system operation, electricity market design, electric energy policy, renewable energy integration, and energy storage.