



Virtual Webinar:

AI-Driven Power Management Controls

Using artificial intelligence to coordinate and manage distributed wind for voltage regulation

Join the Distributed Wind Energy Association (DWEA) and Sandia National Laboratories for an in-depth discussion on AI-driven control strategies for power management systems aimed at enhancing coordination among distributed wind turbines. This webinar will explore intelligent algorithms that optimize distributed wind turbines for grid services. Participants will gain insights into how AI-enabled controls integrate with existing grid standards and communication protocols to improve real-time decision-making. The session will also present the results of a field demonstration using Sandia-developed AI controls to improve grid operations.

Date: Thursday, June 25, 2026

Time: 12-1 PM MDT

Register for Zoom link here:

<https://zoom.us/meeting/register/PGrzSQSVSaSBfDbcWLGleg>

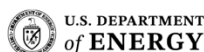
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Miguel Jimenez Aparicio is a Senior Member of Technical Staff in the Electric Power Systems Research Department at Sandia National Laboratories. His research focuses on the development of data-driven controllers for hybrid systems performing grid-support tasks. His research interests include the reliable integration of distributed energy resources into the grid, and the transition to data-driven operation, control and protection of power systems. He received his M.S. in Electrical Engineering from the Georgia Institute of Technology.

The Sandia National Laboratories Distributed Wind portfolio, led by Dr. Rachid Darbali-Zamora, has expertise in topics including distributed wind interconnection standards, power converter, controls, and other power electronics testing and validation, aeroelastic modeling, and testing and automation.

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