



Power Systems Engineering Research Center

Grid-Scale Energy Storage

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PSERC Public Webinar

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2-3 PM Eastern Time (11 AM-Noon Pacific Time)

Description

With the rapid growth of variable energy resources, such as wind and solar, the role of energy storage in electric power systems becomes increasingly important. This webinar will provide an overview of the current status of grid-scale energy storage technologies and their many applications in power systems. The main focus will be on the bulk energy storage systems and their applications in the transmission grid. The presentation will cover different services that can be provided by energy storage to the power system with an emphasis on ancillary services. The needs and value of those services for system operation will also be addressed. The role of hydropower and pumped storage hydro technologies in integrating variable renewable resources will also be covered.

Biography

Vladimir Koritarov is the Deputy Director of the Center for Energy, Environmental, and Economic Systems Analysis at Argonne National Laboratory. He has 30 years of experience in the modeling and analysis of electric power and overall energy systems in domestic and international applications. Vladimir specializes in the analysis of power system capacity expansion options, modeling of hydroelectric and irrigation systems, hydro-thermal coordination, reliability and production cost analysis, marginal cost calculations, and electric sector restructuring issues. Most recently, he has been working on the development of new agent-based modeling approaches for the simulation of energy and electricity markets, and applying advanced simulation methods to study the role and possible evolution of non-conventional energy resources, such as renewable generation and energy storage. A large component of his work relates to technology transfer, capacity building, and providing technical assistance and training to developing countries. He has managed numerous energy and environmental projects, and provided technical assistance to more than 30 countries. Before joining Argonne in 1991,

Mr. Koritarov worked for 8 years as power system planner in the Union of Yugoslav Electric Power Industry. Mr. Koritarov is a member of IEEE and author or co-author of over 90 publications, studies, reports, and journal articles.

Registration for Webinar Participation: None required. There is no charge for participating!

Participation by Webinar: There are several options for participating.

- Recommended option: We will be using the Adobe Connect 9 webinar platform. You will be able to watch the presentation slides on your computer from the designated site <https://connect.asu.edu/pserc> and listen to the webinar through your computer's speakers or headphones. [Click here](#) for the connection details and instructions for testing your connection. If you cannot hear the presenter, check to make sure your speaker is not muted in Adobe Connect. It may also be possible to use the app "Adobe Connect™ Mobile" to participate via smartphone or tablet.
- You can also listen to the audio over the public phone bridge at 712-432-0800 (passcode: 937250#). Be sure to mute your phone (press *6) so sounds in your room do not go out to the phone bridge with other listeners. Should you not be able to connect to the webinar, you can also download the slides from the PSERC website and listen to the audio over the phone.
- You can watch the archived webinar at a different time by [clicking here](#) and then on the link for this webinar.

Asking Questions During the Webinar: You are invited to ask questions or make comments during the webinar using the Adobe Connect webconferencing platform. Just enter your question into the Q&A box.

Professional Development Hour Certification: PDH certification is available for PSERC members (only). Send an email requesting PDH certification to pserc@asu.edu with the subject "PDH". *Include the name and title of each participant.*

Assistance: If you have any questions, please call 480-965-1643 or email pserc@asu.edu.