



Power Systems Engineering Research Center

Distributed and Centralized Generation

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PSERC Public Webinar
Tuesday, April 17, 2012
2:00-3:00 p.m. Eastern Time (11:00-12:00 p.m. Pacific)

[Note: The white paper and slides associated with this webinar will be posted on the PSERC website at www.pserc.org in advance of the webinar.]

Description

The objective of the presentation and accompanying white paper is to identify the strengths and weaknesses associated with centralized generation (CG) and distributed generation (DG) infrastructure for the future electric grid system, including environmental impact. This will involve the development of indices for an economical scale study of DG relative to CG, and consider which is the most cost-effective to accommodate new markets. In order to assess the robustness of DG and CG under different load conditions, different indices for measuring the combination of CG/DG with respect to its sustainability and resilience to handle unforeseen events. It also provides a national roadmap towards identifying the right path forward in terms of which combination of DG resources and CG would make sense.

This webinar is based on one of nine white papers in the project “The Future Grid to Enable Sustainable Energy Systems: An Initiative of the Power Systems Engineering Research Center” funded by the U.S. Department of Energy. More information about the Future Grid Initiative is available on the [PSERC website](http://www.pserc.org).

Biography: James A. Momoh (M’76, SM’89, IEEE Fellow ’99) received the BSEE (‘75) from Howard University, the MSEE (‘76) from Carnegie Mellon University, the MSSE (‘80) in systems engineering from the University of Pennsylvania, and the Ph.D (‘83) in Electrical Engineering (EE) from Howard University. Professor Momoh is a former chair of the EE department at Howard University and is the Director of the Center for Energy Systems and Control (CESaC). He is also the PSERC side-director at Howard University. His current research activities include next generation of optimization, power/energy systems reliability, stability, and control, and computational intelligence and its application to space, electric ship power and utility systems for utility firms and government agencies addressing complex issues in the deregulated environment. He has published refereed journal articles, IEEE proceedings and also several textbooks in the areas of Optimization, Operations and Planning, and Smart Grid. He is the recipient of numerous awards, including, in 1987, the National Science Foundation Presidential Young Investigator Award. He is also a Fellow, Nigeria Academy of Engineering.

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

Participation by Webinar: We will be using the Adobe Connect 8 webinar platform. You will be able to watch the presentation slides on your computer from the designated site <http://asu.adobeconnect.com/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 can't hear the sound, check to make sure that the speakers are not muted in Adobe Connect. Access is limited. However, the webinar will be archived so it can be watched later. You can also get the audio over the public phone bridge at 712-432-0800 (passcode: 937250#).

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" after the seminar. *Include the name and title of each participant.*

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

PSERC's Webinar Coordinator

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Ward welcomes feedback on the webinars and suggestions for future ones.