



## Power Systems Engineering Research Center

# Toward Plug-and-Play Standards for Dynamics in the Changing Electric Energy Systems

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PSERC Public Webinar  
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2:00-3:00 p.m. Eastern Time (11:00-12:00 p.m. Pacific)

**Abstract:** In this talk we summarize the objectives of our PSERC project on standards for dynamics in electric energy systems. As part of this project, we have introduced a unifying modeling for changing electric energy systems. The proposed standards are effectively performance criteria that different stakeholders must meet for the system to remain reliable as new technologies, in particular, are deployed. Illustrations are provided for transient stability performance criteria.

**Biography:** Marija D. Ilić received her Doctor of Science Degree in Systems Science at Washington University in St. Louis, MO in 1980. She is currently a Professor of Electrical and Computer Engineering and Engineering at Carnegie Mellon University, Pittsburgh, PA, and an affiliate Professor in the Engineering and Public Policy Department. She is the Director of the Electric Energy Systems Group (EESG) at Carnegie Mellon. She has over 30 years of experience in teaching and research in the area of electrical power system modeling and control. Her main interest is in the systems aspects of operations, planning, and economics of the electric power industry. She has co-authored and co-edited a number of books in her field of interest. Professor Ilić is an IEEE Fellow.

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**PSERC’s Webinar Coordinator:** Tom Overbye, University of Illinois at Urbana-Champaign, [overbye@illinois.edu](mailto:overbye@illinois.edu)

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