浙江大学网络传感与控制研究组

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學術報告

Energy Storage Performance Characterization for Microgrid Applications

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地点： **浙江大学工控新楼501室**

***Biography*: Mariesa L. Crow is the Fred Finley Distinguished Professor of Electrical Engineering and VP for Research at Missouri S&T. She received her BSE in Electrical Engineering from the University of Michigan and her Ph.D. in Electrical Engineering from the University of Illinois-Urbana/Champaign. Her area of professional interest is computational methods and power electronics applications to renewable energy systems and energy storage. From 2007-2012, she served as the Director of the Missouri S&T Energy Research & Development Center. She has authored over 200 technical articles and several textbooks and book chapters. She is the VP for Publications for the IEEE Power & Energy Society. She is a Registered Professional Engineer in the State of Missouri and a Fellow of the IEEE.**

Energy storage technology is a critical aspect of future development of portable, scalable microgrid technology. One of the most important parameters in microgrid operation is the ability to predict the power and energy characteristics of any energy storage system. To achieve optimal use of renewable energy resources and energy storage, the energy storage system must be modeled accurately and must include all parasitic and operational losses from environmental controls. This seminar will discuss recent efforts to characterize parasitic and operational losses associated with different energy storage systems for use in microgrids.

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