



Power Systems Engineering Research Center

Scalable Meter Data Management in Electric Power Grids

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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)

Description

Advanced Metering Infrastructure (AMI) initiatives provide popular tools to incorporate changes to modernize the electricity grid, reduce peak loads, and meet energy efficiency targets. There is the looming issue of how to communicate and handle consumer data collected by electric utilities, and to manage limited communication network resources. This webinar will describe the data volume challenges arising from AMI for electric utility communications networks and present techniques for scalable meter data management that also preserve application quality within tolerable limits. Some of the techniques and results discussed in this webinar were obtained through the PSERC industry funded project “Towards a Privacy-Aware Information-Sharing Framework for Advanced Metering Infrastructures.”

Biography

Vinod Namboodiri is an Associate Professor of Electrical Engineering and Computer Science at Wichita State University. His current research interests are in the area of Sustainable Energy Systems as it applies to Smart Grids and Green Computing. His current research interests include the design of information-sharing architectures and distributed data analytics for electric power grids. Dr. Namboodiri directs the Wireless, Networking, and Energy Systems Laboratory at Wichita State University and currently serves on the program committees of various conferences in the areas of communications, networking, and smart grids. He also serves as a reviewer for various journals including IEEE Transactions on Smart Grids, IEEE Transactions on Mobile

computing, IEEE Transactions on Networking, and IEEE Transactions on Wireless Communications.

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

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

PSERC's Webinar Coordinator: Tom Overbye, University of Illinois at Urbana-Champaign, overbye@illinois.edu

Professor Overbye welcomes your feedback on PSERC webinars and suggestions for future ones.