Power Systems Engineering Research Center

Networked Information Gathering and Fusion of PMU Measurements

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PSERC Public Webinar
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[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. The archived webinar will be available immediately following the live webinar.]

Description

The synchrophasor technology is emerging as an enabling technology to facilitate both information interaction as well as energy interaction between providers and customers, and help revolutionize the power system. In particular, it is critical to ensure reliable and secure communication systems for synchrophasor data. In this presentation and the accompanying white paper, we identify a few important problems in this fundamental building block in the smart grid.

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.

Biography: Junshan Zhang received his Ph.D. degree from the School of ECE at Purdue University in 2000. He joined the EE Department at Arizona State University in August 2000, where he has been Professor since 2010. His research interests include communications networks, cyber-physical systems with applications to smart grid, stochastic modeling and analysis, and wireless communications. Prof. Zhang is a fellow of the IEEE, and a recipient of the ONR Young Investigator Award in 2005 and the NSF CAREER award in 2003. He received the Outstanding Research Award from the IEEE Phoenix Section in 2003. He served as TPC co-chair for WICON 2008 and IPCCC'06, TPC vice chair for ICCCN'06. He was the general chair for IEEE Communication Theory Workshop 2007. He was an Associate Editor for IEEE Transactions on Wireless Communications. He is currently an editor for the Computer Network journal and IEEE Wireless Communication Magazine. He co-authored a paper that won IEEE ICC 2008 best paper award, and one of his papers was selected as the INFOCOM 2009 Best Paper Award Runner-up. He is TPC co-chair for INFOCOM 2012.

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