

Zhifang Wang, Ph.D.

Associate Professor, Department of Electrical and Computer Engineering at VCU College of Engineering

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Dr. Zhifang Wang specializes in electric power grid vulnerability analysis, synthetic grid modeling, and renewable integration.

Biography

Zhifang Wang, Ph.D., joined the Department of Electrical and Computer Engineering faculty in August 2012. Dr. Wang is coming to VCU from the University of California, Davis. She received both the B.S. and M.S. degrees in Electrical Engineering from Tsinghua University, Beijing, China, and the Ph.D. degree in Electrical and Computer Engineering from Cornell University. She is a Senior Member of the IEEE, a member of IEEE Power & Energy Society, IEEE Communication Society, and IEEE Women in Engineering. Her current research focuses on cascading failures in power grids, energy system modeling and optimization, integration of renewable generation into power markets, and voltage stability and controls.

Industry Expertise

Education/Learning, Research, Electrical Engineering

Areas of Expertise

Cascading Failures in Power Grids, Energy System Modeling and Optimization, Integration of Renewable Generation, Voltage Stability and Controls, Smart Grid Communication Architecture

Affiliations

Assistant Professor, Electrical and Computer Engineering, VCU, Director, EPES Lab, Electrical and Computer Engineering, VCU

Education

Cornell University

Ph.D. Electrical and Computer Engineering

Tsinghua University, Beijing,

M.S. Electrical Engineering

Tsinghua University, Beijing,

B.S. Electrical Engineering

Accomplishments

HICSS'48 Best Paper Award 2015

For the paper entitled "On Bus Type Assignments in Random Topology Power Grid Models", coauthored with Dr. Robert J. Thomas.

IEEE Donald G. Fink Award 2013

For the paper entitled "For the Grid and Through the Grid: the Role of Power Line Communications in the Smart Grid," coauthored by Dr. Stefano Galli and Dr. Anna Scaglione.

IEEE Senior Member

In recognition of professional standing. Awarded by the Officers and Board of Directors of the IEEE.

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