

Yang Wang

Education:

- 2003/09 - 2009/06 College of Electrical Engineering, Chongqing University, China, M.S & Ph.D.
- 1995/09 - 1998/07 Shanghai University of Electric Power, China.

Work Experience:

- 2012/02 - present Post-doc at Department of Electric & Computer Engineering, Wayne State University, USA.
- 2011/01 - 2012/02 Post-doc at Department of Electric & Computer Engineering, University of Connecticut, USA.
- 2009/07 - 2011/01 Lecturer at College of Electrical Engineering, Chongqing University, China.
- 1998/07 - 2003/09 Bashu Jiangyou Power Plant, China, as an electric operator for 2×330MW generators, China.

Participated Projects:

- 2011/06 – present: Co-sponsored project of BC Hydro and the Center for Clean Energy Engineering (C2E2) at University of Connecticut, Reliability Evaluation and Enhancement of Synchronous Phasor Network (in charge of Asst. Prof. Peng Zhang).
- 2007/10 - 2009/10: National Key Basic Research Program (NKBRP): Power System Operational Reliability (2004CB217908), China.
- 2006/06 - 2007/06: Natural Science Foundation Project of CQ CSTC: Recorder research with high-precision fault location function(CSTC 2005BB3186) , China.
- 2005/06 - 2006/06: Project of Guiyang Power Supply Bureau: Fault Location and Recorder Integrated Device for Transmission Line, China.
- 2004/11 - 2005/03: Project of Guiyang Power Supply Bureau: Grounding fault identification device based on two-phase CT, China.
- 2004/04 - 2004/10: Project of Guiyang-Huaxi Substation: Grounding fault identification device based on zero sequence CT, China.

Academic Papers:

Under review:

- Yang Wang, Caisheng Wang, Feng Lin, Wenyuan Li, Le Yi Wang, Zhao, “Voltage Stability Analysis Based on the Concept of Transfer Impedance,” Submitted to IEEE Transaction on Power System, April 2012 in WSU.

Published:

- Yang Wang, Wenyuan Li, Peng Zhang, Bing Wang, and Jiping Lu, “Reliability Analysis of Phasor Measurement Unit Considering Data Uncertainty,” IEEE Transactions on Power System, Accepted

for publication.

- Yang Wang, Peng Zhang, Nadim. Kanan, Wenyuan Li and Wendong. Xiao, "Online overvoltage prevention control of photovoltaic generators in microgrids," IEEE Transactions Smart Grid, Accepted for publication.
- Peng Zhang, Yang Wang, Weidong Xiao, Wenyuan Li; "Reliability Evaluation of Grid-Connected Photovoltaic Power Systems," IEEE Transactions on Sustainable Energy, Accepted for publication.
- Yang Wang, Wenyuan Li, Jiping Lu, "Reliability Analysis of Wide Area Measurement System", IEEE Transactions on Power Delivery, Vol. 25, No. 3, 2010, pp1483-1491.
- Yang Wang, Wenyuan Li, Jiping Lu, "Evaluating Multiple Reliability Indices of Regional Networks in Wide Area Measuremen System", Electric Power Systems Research, Vol. 79, No. 10, 2009, pp1353-1359.
- Yang Wang, Wenyuan Li, Jiping Lu, et al, "Reliability Analysis of Phasor Measurement Unit using Hierarchical Markov Modeling", Electric Power Components and Systems, Vol. 35, No. 5, 2009, pp517-532.
- Yang Wang, Wenyuan Li, Jiping Lu, "A New Node Voltage Stability Index Based on Local Voltage Phasors", Electric Power Systems Research, 2009, Vol. 79, No. 1, pp265-271.
- Yang Wang, Wenyuan Li, Jiping Lu, "An Equivalent Model and Voltage Stability Index Based on Local Network Voltage Phasor", Proceedings of the CSEE(Chinese Magazine), 2008, Vol. 28, No. 34, pp52-58.
- Yang Wang, Jiping Lu, Qingyi Zeng. "High-precision Fault Location Device including A/D boards with two Different Speeds in Multitasking Operation System", Electrotechnical Application(Chinese Magazine), 2007, Vol. 26, No. 3, pp24-28.

Patents:

- Wenyuan Li, Juan Yu, Yang Wang, Paul Choudhury, Jun Sun. Method and System for Real Time Identification of Voltage Stability via Identification of Weakest Lines and Buses Contributing to Power System Collapse (US2009/0027067 A1 & 200710092710.1,China).
- Jiping Lu, Hao Zhang, Yang Wang, Linyun Kong, Liang Qiao. Calculation of Power Transfer in the Power System Fault Conditions (2009101911646, China).
- Jiping Lu, Jian Li, Yi Xue, Yang Wang, Dongping Xia, Wenyuan Li, Youchen Zhao, Lin Zhang. One Phase Grounding Fault Identification Method in the Distribution Network (200610054472.0, China).