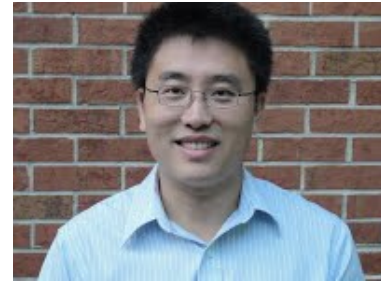


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Dr. Jianhui Wang is an Associate Professor with the Department of Electrical Engineering at Southern Methodist University. He also holds a joint appointment as the Section Manager for Advanced Power Grid Modeling in the Energy Systems division at Argonne National Laboratory. Dr. Wang is the Principal Investigator for a multitude of energy-related research projects focused on smart grid, microgrids, power system operation and control, renewable integration, grid resilience and cybersecurity. He has also held visiting positions in Europe, Australia and Hong Kong including a VELUX Visiting Professorship at the Technical University of Denmark (DTU). He has been invited to give tutorials and keynote speeches at major conferences including IEEE ISGT, IEEE SmartGridComm, IEEE SEGE, IEEE HPSC and IGEC-XI.

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Dr. Wang has authored and/or co-authored more than 300 journal and conference publications, which have been cited for more than 8,500 times by his peers. He is an associate editor of *Journal of Energy Engineering*, an editorial board member of *Applied Energy* and *IEEE Power and Energy Magazine*. He served as guest editor for a special issue of the *IEEE Power and Energy Magazine* on Electrification of Transportation, which won an APEX Grand Award. Dr. Wang also served as the editor of Artech House Publishers' *Power Engineering Book Series*, and as the Technical Program Chair of the 2012 IEEE PES Innovative Smart Grid Technologies conference.

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RESEARCH INTEREST

Smart Grid, Microgrid, Cybersecurity, Grid Resilience, Renewable Integration, Energy Economics and Policy, Electric Power Systems Operations and Control, Electricity Restructuring

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JOURNAL PAPERS AND BOOK CHAPTERS

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INVITED CONTRIBUTIONS

[1] A. Ashok, M. Govindarasu, J. Wang, Cyber-Physical Attack-Resilient Wide-Area Monitoring, Protection, and Control for the Power Grid, *Proceedings of the IEEE*, Vol. 105, No. 7, pp. 1389 – 1407, 2017.

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TECHNICAL REPORTS

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- [2] J. Wang, X. Lu, C. Chen, Guidelines for Implementing Advanced Distribution Management Systems – Requirements for DMS Integration with DERMS and Microgrids, *Argonne National Laboratory Technical Report*, August 2015.
- [3] V. Koritarov et al, Modeling and Analysis of Value of Advanced Pumped Storage Hydropower Technologies in the United States, *Argonne National Laboratory Technical Report*, June 2014.
- [4] J. Mendes, R. Bessa, H. Keko, J. Sumaili, V. Miranda, C. Ferreira, J. Gama, A. Botterud, Z. Zhou, J. Wang, Development and Testing of Improved Statistical Methods for Wind Power Forecasting, *Argonne National Laboratory Technical Report*, Sept. 2011, available at <http://www.dis.anl.gov/pubs/71390.pdf>.
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CONFERENCE PAPERS AND PRESENTATIONS

- [1] W. Su, J. Wang, K. Zhang, M.-Y. Chow, Framework for Investigating the Impact of PHEV Charging on Power Distribution System and Transportation Network, *Proceedings of the 38th Annual Conference of the IEEE Industrial Electronics Society*, Montreal, Canada, Oct. 25-28, 2012.
- [2] M. Biviji, M. Wang, J. Ostrowski, J. Wang, Price elasticity of electricity demand for various dynamic rate programs, *Proceedings of 2012 IEEE PES Innovative Smart Grid Technologies (ISGT)*, Washington D.C., 2012.
- [3] J. Sumaili, H. Keko, V. Miranda, Z. Zhou, A. Botterud, J. Wang, Finding Representative Wind Power Scenarios and their Probabilities for Stochastic Models, *Proceedings of 16th Int. Conference on Intelligent System Application to Power Systems*, Hersonissos, Greece, 2011.
- [4] A. Botterud, Z. Zhou, J. Wang, R. Bessa, H. Keko, J. Sumaili, V. Miranda, Wind Power Forecasting, Unit Commitment, and Electricity Market Operations, *IEEE PES general meetings*, Detroit, Michigan, 2011.
- [5] Z. Gao, P. Wang, L. Bertling, J. Wang, Sizing of Energy Storage for Power Systems with Wind Farms Based on Reliability Cost and Worth Analysis, *IEEE PES general meetings*, Detroit, Michigan, 2011.

- [6] Z. Zhou, J. Wang, A. Botterud, Agent-based Electricity Market Simulation with Plug-in Hybrid Electric Vehicle Penetration, *IEEE PES general meetings*, Detroit, Michigan, 2011.
- [7] Q. Wang, J. Wang, Y. Guan, Wind Power Bidding Based on Chance-constrained Optimization, *IEEE PES general meetings*, Detroit, Michigan, 2011.
- [8] J. Sumaili, H. Keko, V. Miranda, A. Botterud, J. Wang, A Clustering-Based Wind Power Scenario Reduction Technique, *17th Power System Computation Conference (PSCC.11)*, Stockholm, Sweden, Aug. 2011.
- [9] R. Bessa, J. Sumaili, V. Miranda, A. Botterud, J. Wang, E. Constantinescu, Time-Adaptive Kernel Density Forecast: A New Method for Wind Power Uncertainty Modeling, *17th Power System Computation Conference (PSCC.11)*, Stockholm, Sweden, Aug. 2011.
- [10] A. Botterud, Z. Zhou, J. Wang, J. Valenzuela, J. Sumaili, R. Bessa, H. Keko, V. Miranda, Unit Commitment and Operating Reserves with Probabilistic Wind Power Forecasts, *IEEE Trondheim PowerTech 2011*, Trondheim, Norway, June 2011.
- [11] R. Bessa, J. Mendes, V. Miranda, A. Botterud, J. Wang, Z. Zhou, Quantile-Copula Density Forecast for Wind Power Uncertainty Modeling, *IEEE Trondheim PowerTech 2011*, Trondheim, Norway, June 2011.
- [12] A. Botterud, J. Wang, Z. Zhou, R. Bessa, H. Keko, V. Miranda, Application of Probabilistic Wind Power Forecasting in Electricity Markets, *Windpower 2011*, Anaheim, CA, May 2011.
- [13] R. Bessa, V. Miranda, J. Sumaili, A. Botterud, J. Wang, Z. Zhou, Wind Power Forecast with Probability Density Estimation: A Tool for the Business, *Windpower 2011*, Anaheim, CA, May 2011.
- [14] J. Wang, A. Botterud, J. Akilimali, V. Miranda, Wind Power Forecasting Uncertainty Modeling in Unit Commitment, *INFORMS Annual Meeting 2010*, Austin, TX, 2010.
- [15] J. Wang, A. Vyas, A. Botterud, C. Liu, Unit Commitment with Plug-in Hybrid Vehicles, *INFORMS Annual Meeting 2010*, Austin, TX, 2010.
- [16] L. Wang, Y. He, J. Wang, Comparing the Cap-and-trade and Carbon Taxes Policies in Generation Expansion Planning, *INFORMS Annual Meeting 2010*, Austin, TX, 2010.
- [17] Q. Wang, Y. Guan, J. Wang, A Chance-constrained Two-stage Stochastic Program for Unit Commitment with Uncertain Wind Generation, *INFORMS Annual Meeting 2010*, Austin, TX, 2010.
- [18] C. Liu, Z. Li, M. Shahidehpour, J. Wang, Midterm Coordination of Natural Gas Storage and Power Generation, *INFORMS Annual Meeting 2010*, Austin, TX, 2010.
- [19] A. Botterud, R. Bessa, V. Miranda, J. Wang, Improved Statistical Methods for Wind Power Forecasting, *INFORMS Annual Meeting 2010*, Austin, TX, 2010.
- [20] A. Botterud, R. Bessa, H. Keko, J. Wang, Optimal Wind Power Bidding in Electricity Markets, *INFORMS Annual Meeting 2010*, Austin, TX, 2010.
- [21] Q. Zheng, P. Pardalos, J. Wang, Stochastic Security Constrained Unit Commitment Models and Solution Algorithm, *INFORMS Annual Meeting 2010*, Austin, TX, 2010.
- [22] F. Zhao, J. Wang, V. Koritarov, G. Augenbroe, Agent-based Modeling of Interaction between Commercial Building Stocks and Power Grid, *2010 IEEE Conference on Innovative Technologies for an Efficient and Reliable Electricity Supply*, Boston, Massachusetts, 2010 (Third place in student paper contest).
- [23] V. Zavala, A. Botterud, E. Constantinescu, and J. Wang, Computational and Economic Limitations of Dispatch Operations in the Next-Generation Power Grid, *2010 IEEE Conference on Innovative Technologies for an Efficient and Reliable Electricity Supply*, Boston, Massachusetts, 2010.
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- [26] A. Botterud, J. Wang, G. Conzelmann, V. Miranda, C. Monteiro, G. Sheble, Designing Electricity Markets with Large Shares of Wind Power, Windpower 2010, Dallas, Texas, 2010.
- [27] R. Bessa, V. Miranda, A. Botterud, J. Wang, Good or Bad Wind Power Forecasts, a Relative Concept, Windpower 2010, Dallas, Texas, 2010.
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- [30] L. Poch, M. Mahalik, J. Wang, A. Vyas, Impacts of Plug-In Hybrid Electric Vehicles on the Electric Power System in the Western United States, IEEE PES General Meetings, Minneapolis, Minnesota, USA, 2010.
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- [35] J. Wang, A. Botterud, G. Conzelmann, V. Miranda, C. Monteiro, G. Sheble, Impact of Wind Power Forecasting on Unit Commitment and Dispatch, The 8th International Workshop on Large-scale Integration of Wind Power into Power Systems, pp.1-8, Oct. 14-15, Bremen, Germany, 2009.
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- [40] G. Conzelmann, A. Botterud, J. Wang, P. Thimmapuram, Using Multi-Agent Simulation to Test European Electricity Markets, IEEE PES General Meetings, pp. 1-2, Calgary, Canada, 2009.
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- [43] J. Wang, Conjectural Variation-Based Bidding Strategies with Q-Learning in Electricity Markets, Proceedings of the 42nd Annual Hawaii International Conference on System Sciences (HICSS 2009), pp. 1-8, 2009.
- [44] J. Wang, P. R. Thimmapuram, A. Botterud, Identifying Market Power in the EEX Electricity Market, 2008 Argonne National Laboratory postdoctoral symposium, 2008.

- [45] J. Wang, A. Botterud, G. Conzelmann, and V. Koritarov, Market Power Analysis in the EEX Electricity Market: An Agent-Based Simulation Approach, *IEEE PES General Meetings*, pp.1 - 8, Pittsburgh, Pennsylvania, 2008.
- [46] J. Wang, A. Botterud, G. Conzelmann, and V. Koritarov, Multi-agent System for Short and Long-term Power Market Simulations, *The 16th Power System Computation Conference (PSCC)*, pp.1 - 7, July 14-18, 2008.
- [47] J. Wang, Risk-Constrained Generation Asset Scheduling for Price-Takers in the Electricity Markets, hicss, p. 92, *Proceedings of the 41st Annual Hawaii International Conference on System Sciences (HICSS 2008)*, pp. 1-8, 2008.
- [48] T. Veselka, A. Botterud, G. Conzelmann, V. Koritarov, L. Poch, J. Wang, Climate Change Impacts on the Electric Power System in the Western United States, *American Geophysical Union (AGU) fall meeting*, San Francisco, December 2007.
- [49] J. Wang, AC Security Constrained Dispatch with Uncertain Wind Power Generation, *The 22nd International Conference on Advanced Science and Technology (ICAST)*, Chicago, November 2007.
- [50] J. Wang, W. Liu and H.W. Ngan, The Reliability Modeling in Performance Based Regulation of the Electricity Supply Industry in Hong Kong, *IEEE Region 10 Conference (TENCON)*, Hong Kong, PO1.614-17, November 2006.
- [51] J. Wang and H.W. Ngan, Index Scheme for Performance Evaluation in Open Electricity Market Environment, *IEEE Region 10 Conference (TENCON)*, Hong Kong, PO6.3, 14-17 November 2006.
- [52] H.W. Ngan, J. Wang and W. Engriwan, Analysis of Risks Perceived in Reformed Electricity Supply Industry, *The International Conference on Electrical Engineering 2005, Kunming*, China, Paper PM2-06, ICEE-F0484, pp. A-72, Jul 2005.
- [53] H.W. Ngan, J. Wang and W. Engriwan, Governance Framework for Sustainable Development in Reformed Electricity Industry, *2005 IEEE/PES Transmission and Distribution Conference: Asia and Pacific*, Dalian, China, Paper PM2-07 T&D-F0346, pp. A110, Aug 2005.

TEACHING EXPERIENCE

- 2017 EE2450 – Circuit Analysis I (Fall 2017), Southern Methodist University
- 2016 EE3352 - Fundamental of Electric Power Engineering (Fall 2016), Southern Methodist University
- 2014 “Energy Economics” (Summer Term 2013-2014), Hong Kong Baptist University
- 2007– Short-course instructor, Argonne National Laboratory
- 2005–2007 Teaching assistant for “Fundamentals of Power Engineering” and “Power System Analysis,” Illinois Institute of Technology
- 2003–2004 Instructor for “E-commerce,” Beijing City College, Beijing, China

HONORS

- 2016 Midwest Energy News 40 Under 40 award
- 2016 IEEE PES General Meetings Best Conference Paper Award
- 2015 IEEE PES Power System Operation Committee Prize Paper Award
- 2014 Argonne Director’s Award
- 2014 Argonne National Laboratory Pacesetter Award
- 2014 IEEE PES Distinguished Lecturer

2012	IEEE Chicago Section 2012 Outstanding Young Engineer Award
2012	Applied Energy Editor's 2011 Best Reviewers Award
2011	<i>Marquis Who's Who</i> in Science and Engineering
2010	The Inaugural Northwestern-Argonne Early Career Investigator Award for Energy Research (Co-investigator with Adilson Motter from Northwestern University)
2009	IEEE Chicago section outstanding member award
2008	IEEE Chicago section annual service award
2006	<i>Marquis Who's Who</i> among Students in American Universities and Colleges
2003	"Sifang Relay Co." Excellent Graduate Fellowship, first-class, North China Electric Power University
2001	Outstanding Graduate Honor, North China Electric Power University
1998–2000	North China Electric Power University Scholarship, North China Electric Power University
1997–1998	Award for Excellent Community Volunteer Work, North China Electric Power University

EDITORIAL ACTIVITIES

- [1] Editor-in-Chief, *IEEE Transactions on Smart Grid* (2015–present)
- [2] Guest Editor, *Proceedings of the IEEE* (2016)
- [3] Member of the Steering Committee, *IEEE Transactions on Cloud Computing* (2017–present)
- [4] Editorial Board Member, *IEEE Power and Energy Magazine* (2016–present)
- [5] Editor, *IEEE Transactions on Power Systems* (2013–2014)
- [6] Editor, Artech House Publishers Power Engineering Book Series (2012–2014)
- [7] Editor, *IEEE Transactions on Smart Grid* (2010–2014)
- [8] Editor, *IEEE PES Letters* (2010–2014)
- [9] Editor, *IEEE ComSoc Technology News* (2014)
- [10] Member of Steering Committee, *IEEE Transactions on Transportation Electrification* (2012–present)
- [11] Member of Editorial Board, *Applied Energy* (2012–present)
- [12] Associate Editor, *Journal of Energy Engineering* (2012–present)
- [13] Editor, CSEE Journal of Power and Energy Systems (2016–present)
- [14] Editor, Power System Technology (2016–present)
- [15] Member of International Editorial Board, Journal of Modern Power Systems and Clean Energy (2013–present)
- [16] Member of International Editorial Board, Electric Power of China (中国电力) (2013–present)
- [17] Associate Editor, *International Journal of Renewable Energy Technology* (2009–2011)
- [18] Guest editor, *IEEE Transactions on Smart Grid*, Special issue on High Performance Computing (HPC) Applications for a More Resilient and Efficient Power Grid (2014)
- [19] Guest editor, *IEEE Transactions on Smart Grid*, Special issue on Big Data Analytics for Grid Modernization (2014)
- [20] Guest editor, *IEEE Transactions on Sustainable Energy*, Special section on Reserve and Flexibility for Handling Variability and Uncertainty of Renewable Generation (2013)
- [21] Guest editor, *IEEE Transactions on Power Systems*, Special section on Power System Planning and Operation Towards a Low-Carbon Economy (2013)

- [22] Guest editor-in-chief, *IEEE Transactions on Smart Grid*, Special issue on Smart Grid Technologies and Development in China (2013)
- [23] Guest editor, *IEEE Transactions on Smart Grid*, Special issue on Distributed Energy Management Systems (2014)
- [24] Guest editor, *IEEE Transactions on Smart Grid*, Special issue on Smart Grid Communication Systems: Reliability, Dependability & Performance (2012)
- [25] Guest editor, *IEEE Transactions on Smart Grid*, Special issue on Analytics for Energy Forecasting with Applications to Smart Grid (2012)
- [26] Guest editor, *IEEE Transactions on Smart Grid*, Special issue on Energy Storage Applications for Smart Grid (2012)
- [27] Guest editor, *IEEE Transactions on Smart Grid*, Special issue on Real-Time Demand Response (2012)
- [28] Guest editor, *Applied Energy*, Special issue on Smart Grids, Renewable Energy Integration, and Climate Change Mitigation — Future Electric Energy Systems (2011)
- [29] Guest editor, *IEEE Power and Energy Magazine*, Special issue on Electrification of Transportation (2011)

TECHNICAL REVIEW ACTIVITIES

(31 Journals and 13 Conferences)

IEEE Systems Journal, Proceedings of IEEE, Energy Policy, IEEE Transactions on Smart Grid, IEEE Transactions on Sustainable Energy, International Journal of Computational Intelligence Systems, IEEE Transactions on Systems, Man, and Cybernetics--Part A: Systems and Humans, IEEE Power Engineering Letters, IET-Generation, Transmission and Distribution, IET - Renewable Power Generation, Applied Energy, The Energy Journal, IEEE Transactions on Power Systems, IEEE Transactions on Power Delivery, Energy- The International Journal, Environmental Science & Technology, International Journal of Digital Multimedia Broadcasting, International Journal of Electrical Power and Energy Systems, Computers & Industrial Engineering, Journal of Energy Engineering, International Journal of Green Energy, European Transactions on Electrical Power, IEEE Transactions on Parallel and Distributed Systems, Journal of Critical Infrastructures, Wiley Encyclopedia of Electrical and Electronics Engineering, Simulation: Transactions of the Society for Modeling and Simulation International, International Journal of Energy Research, Energy Economics, Energy Conversion and Management, Transportation Research Part C, The 2012 IEEE PES Transmission and Distribution Conference and Exposition, The 41st Hawaii International Conference on System Sciences, 2009 ACEEE Summer Study on Energy Efficiency in Industry, IEEE Power Engineering Society General Meeting (2008~), 2011 IEEE PES Power Systems Conference & Exhibition (PSC), PMAPS2010, IEEE ISGT 2010, 2012, IEEE ISGT - Europe 2010, Power System Computation Conference (PSCC) 2011, Judge for the student poster session at the IEEE PES general meetings (2008), IECON 12, ISGT 2013, IEEE SmartGridComm 2013, IEEE Instrumentation & Measurement Magazine.

PROFESSIONAL MEMBERSHIPS AND ACTIVITIES

- [1] Keynote, Fall Banquet, Center for Power Systems Studies of the Jerome J. Lohr College of Engineering South Dakota State University, October, 2017.
- [2] Co-chair of the Technical Committee, The Technical Symposium, Solar Power International, Las Vegas, Nevada, September 10-13, 2017.
- [3] Co-chair, The 1st IEEE Conference on Energy Internet and Energy System Integration, Beijing, China, Nov. 26-28, 2017.
- [4] Keynote, 2017 IEEE PES Innovative Smart Grid Technologies (ISGT) – Europe, Torino, Italy, September 26-29, 2017.

- [5] Keynote, 2016 IEEE PES Asia-Pacific Power & Energy Engineering Conference (APPEEC), Xi'an, China, October 25-28, 2016.
- [6] Keynote, SmartEnergy2016, Cappadocia, Turkey, October 5-7, 2016.
- [7] Keynote, The 11th International Green Energy Conference (IGEC-XI), Alaska, USA, May 8-11, 2016.
- [8] Keynote, The 4th IEEE International conference on Smart Energy Grid Engineering, Oshawa, Canada, August 21-24, 2016.
- [9] IEEE PES Distinguished Lecture, IEEE PES Toronto Section, August 2016.
- [10] IEEE PES Distinguished Lecture, IEEE PES Milwaukee Section, July 2016.
- [11] IEEE PES Distinguished Lecture, IEEE PES Chicago Section, July 2016.
- [12] Keynote, The 2nd IEEE International Conference on High Performance and Smart Computing (IEEE HPSC 2016), New York City, April 9-10, 2016
- [13] Keynote, The 16th International Scientific Conference on Electric Power Engineering (EPE), Czech Republic, May 20-22, 2015.
- [14] Tutorial on Cybersecurity Aspects of Smart Grid Systems, IEEE SmartGridComm, 2015.
- [15] Tutorial on Using Microgrids to Enhance Energy Security and Resilience, NATO Advances Study Institute on Energy Security, 2015.
- [16] Member of EE Doctoral Program Committee, Southern Methodist University (2017 – Present)
- [17] Member of Program Committee, The 1st IEEE International Conference on Energy Internet (IEEE ICEI 2017), Beijing, China, April 17-21, 2017
- [18] Member of Advisory Committee, 2017 IEEE PES Innovative Smart Grid Technologies (ISGT) – Asia, New Zealand, December 4-7, 2017.
- [19] Member of Technical Program Committee, 2017 IEEE ASET International Conference on Advanced Systems and Electrical Technologies, Tunisia, 2017.
- [20] Member of Technical Committee, 2017 ISAP (Intelligent System Applications to Power Systems), San Antonio, Texas, USA, September 17-21, 2017.
- [21] Member, P2030.7 Working Group on Distribution Resources Integration
- [22] Member, IEC TC 8 WG 7 Guidelines for the General Planning and Design of the Microgrid
- [23] Secretary, IEEE PES Power System Operations Committee (2014- present)
- [24] Panel chair, 2nd National Microgrid Conference
- [25] Member of Technical Program Committee, IEEE Green Computing Conference - Workshop on “Computation in Smart Grid”, 2014.
- [26] Symposium co-chair, IEEE Smart Grid Comm 2014 Symposium — Data Management and Grid Analytics, Venice, Italy, 2014.
- [27] Member of Technical Committee, IEEE Smart Grid Comm 2013 Symposium — Demand Side Management, Demand Response, Dynamic Pricing Symposium, Vancouver, British Columbia, Canada, 2013.
- [28] Member of Technical Program Committee, 1st AIChE Workshop on Smart Grid for the Chemical Process Industry, Chicago, Illinois, United States of America, 2013.
- [29] Member of Technical Committee, IEEE PES Conference on Innovative Smart Grid Technologies, Washington, D.C., United States of America, 2013.
- [30] Co-chair of Power System Track, The 38th Annual Conference of the IEEE Industrial Electronics Society (IECON), Québec City, Québec, Canada, 2012.
- [31] Member of Organizing Committee, 2012 Great Lakes Symposium on Smart Grid and the New Energy Economy, Chicago, Illinois, United States of America, 2012.
- [32] Member of Advisory Committee, Iowa State University- NSF IGERT center.

- [33] Member of the International Advisory Committee, EuroPES 2012, Napoli, Italy, 2012.
- [34] Chair of technical paper track on EV Systems Modeling, Simulation and Testing, The International IEEE Conference on Electrical Vehicles - IEVC 2012, Greenville, South Carolina, United States of America, 2012.
- [35] Member of Technical Committee, ECI Conference on Modeling, Simulation, and Optimization for the 21st Century Electric Power Grid, Geneva, Wisconsin, United States of America, 2012.
- [36] Technical Program Chair, IEEE PES Conference on Innovative Smart Grid Technologies, Washington, D.C., United States of America, 2012.
- [37] Member of Planning Advisory Committee, ISO – New England.
- [38] Member of Advisory Committee, First IEEE PES Innovative Smart Grid Technologies Europe conference, Sweden, 2010.
- [39] Member of Organizing Committee, First IEEE PES Conference on Innovative Smart Grid Technologies, Washington, D.C., United States of America, 2010.
- [40] Chair, IEEE PES Power System Operation Methods Subcommittee (2009–2014)
- [41] Co-chair, IEEE PES Task Force on Integration of Wind and Solar Power into Power System Operations (2009–present)
- [42] Panel Session Chair at IEEE PES General Meetings (2009–present)
- [43] IEEE Chicago Section Awards Chair (2008–2010)
- [44] Senior Member of IEEE
- [45] Member of IEEE Power Engineering Society
- [46] Full member of Sigma Xi
- [47] Member of INFORMS

INVITED PRESENTATIONS

- 07/2017 Harbin Institute of Technology
- 06/2017 Xi'an Jiaotong University
- 06/2017 Shanghai Jiaotong University
- 06/2017 Shanghai University of Electric Power
- 06/2017 Hangzhou Dianzi University
- 02/2017 University of Miami
- 02/2017 Syracuse University
- 01/2017 University of Michigan
- 01/2017 Auburn University
- 01/2017 University of Washington
- 12/2016 Louisiana State University
- 07/2016 Shanghai University of Electric Power
- 07/2016 Southeast University
- 06/2016 Zhejiang University
- 06/2016 Tsinghua University

05/2016	Binghamton University
02/2016	University of Louisville
09/2015	Tianjin University
06/2015	Technical University of Denmark
03/2015	Stanford University
02/2015	University of Texas at San Antonio
01/2015	Texas Tech University
10/2014	University of North Carolina – Charlotte
10/2014	Tsinghua University
10/2014	University of Notre Dame
10/2014	North China Electric Power University
09/2014	University of Illinois at Chicago
07/2014	City University of Hong Kong
05/2014	Chinese University of Hong Kong
03/2014	University of Sydney
03/2014	University of New South Wales
12/2013	Northwestern University
09/2013	Rutgers University
05/2013	Hong Kong University
05/2013	Hong Kong Polytechnic University
04/2013	University at Buffalo
04/2013	Iowa State University
02/2013	North Carolina State University
02/2013	ABB
04/2012	University of Pittsburgh
02/2012	University of Florida
10/2011	Auburn University
06/2011	Federal Energy Regulatory Commission (FERC)
09/2010	Northwestern University
06/2010	Federal Energy Regulatory Commission (FERC)
04/2010	IBM

03/2010 Sandia National Labs

06/2009 Mathematics and Computer Sciences division, Argonne National Laboratory, Argonne

05/2009 Midwest Independent System Operator

04/2009 Rockwell Collins

04/2009 University of Iowa

11/2008 Session chairperson: 19th Annual Argonne Symposium for Undergraduates in Science, Engineering and Mathematics, Argonne

09/2008 Educational Programs division, Argonne National Laboratory, Argonne

05/2008 State Power Economic Research Institute, China

11/2007 University of Illinois at Urbana-Champaign, Urbana

11/2007 Invited speaker at The 22nd International Conference on Advanced Science and Technology (ICAST), Chicago

11/2007 Session chairperson: 18th Annual Argonne Symposium for Undergraduates in Science, Engineering and Mathematics, Argonne

02/2007 Decision and Information Sciences division, Argonne National Laboratory, Argonne

RESEARCH SUPERVISION AND OTHER TECHNICAL REVIEW ACTIVITIES

2017 NSF

2017 University of Wisconsin-Milwaukee

2017 Member of PhD committee, University of Illinois at Chicago

2016 University of Denver

2016 M.J. Murdock Charitable Trust

2015 University of Wisconsin - Milwaukee

2014 NSF – Energy, Power, Control and Networks (EPCN)

2014 Killam Fellowship Program, Canada Council for the Arts

2014 The Hong Kong Institute of Education (HKIEd)

2014 Netherlands Foundation for Fundamental Research on Matter (FOM)

2014 Kansas NSF EPSCoR

2014 Elsevier

2014 Iowa Energy Center

2014 University of Notre Dame

2014 The Danish Council for Independent Research

2014 Member of PhD committee, Carnegie Mellon University

2014, 2016 Swiss National Science Foundation (SNSF)

2013	National Commission for Scientific and Technological Research (CONICYT) - Chile
2013	Member of PhD committee, University of Delaware
2013	The Netherlands Organisation for Scientific Research (NWO)
2013	Deutsche Forschungsgemeinschaft (German Research Foundation)
2013	BPA
2013	Kentucky Science & Engineering Foundation
2013	German-Jordanian University
2013	Wiley
2012	North Dakota State University
2012	Elsevier
2012	Portuguese Foundation for Science and Technology (FCT)
2012	Member of PhD committee, University of Florida
2012	Member of PhD committee, Auburn University
2011	Power Systems Engineering Research Center (PSERC)
2011	Wiley-IEEE Press
2011	The Danish Council for Independent Research
2010	International Panel on Climate Change (IPCC)-Special Report on Renewable Energy Sources and Climate Change Mitigation
2010–Present	U.S. Department of Energy
2010	West Virginia University
2010	PhD thesis reviewer, Ben-Gurion University, Israel
2010	PhD thesis reviewer, Illinois Institute of Technology
2009	Lawrence Berkley National Laboratory
2008	External research project supervisor for the Hong Kong Polytechnic University

CONSULTING ACTIVITIES

2013	U.S. Agency for International Development (USAID)
2012	U.S. Trade and Development Agency (USTDA)
2007~	ADICA Consulting, LLC.

VISITING FACULTY, POSTDOC AND STUDENTS

Bo Chen, Postdoc, Texas A&M University (2017- Present)
Rakesh Kumar Misra, Indian Institute of Technology (BHU) Varanasi (2017)
Bo Zeng, Visiting Professor, North China Electric Power University (2016-2017)

Yang Li, Visiting Professor, Northeast Dianli University (2016-2018)

Laijun Chen, Visiting Professor, Tsinghua University (2016-2017)

Jiayong Li, Visiting Student, Hong Kong Polytechnic University (2017)

Jiahua Hu, Visiting Student, Zhejiang University (2017)

Yanfei Pan, Visiting Student, Tsinghua University (2017)

Jinpeng Guo, Visiting Student, Tsinghua University (2017)

Zhiwen Wang, Visiting Student, Tsinghua University (2017)

Rui Li, Visiting Student, Tsinghua University (2017)

Basel Alnajjab, Visiting Student, Lehigh University (2017)

Huadong Chen, Visiting Student, Tsinghua University (2017)

Songli Fan, Visiting Student, Shanghai Jiaotong University (2016-2017)

Geng Wu, Visiting Student, North China Electric Power University (2016-2017)

Guannan Lou, Southeast University (2017)

Jie Mei, Visiting Student, Massachusetts Institute of Technology (2017)

Bo Chen, Visiting Student, Texas A&M University (2016)

Noemi González Cobos, Visiting Student, University of Castilla-La Mancha (2016)

Darwin Alexis Quijano Rodezno, Visiting Student, Sao Paulo State University (2016)

Jian Zhao, Visiting Student, Hong Kong Polytechnic University (2016)

Yongjin Kim, Postdoc, Massachusetts Institute of Technology (2015-2016)

Gang Huang, Visiting Student, Zhejiang University (2015)

Bo Zou, Visiting Student, Zhejiang University (2015)

Shuobo Lei, Visiting Student, University of Hong Kong (2015)

Ming Yang, Visiting Professor, Shandong University (2015)

Shujun Xin, Visiting Student, Tsinghua University (2015)

Cheng Wang, Visiting Student, Tsinghua University (2015)

Peijie Li, Visiting Professor, Guangxi University (2015)

Xiaonan Lu, Postdoc, Tsinghua University (2015-2017)

Junjian Qi, Postdoc, Tsinghua University (2015-2017)

Runze Chen, Visiting Student, Tsinghua University (2016)

Zeyu Wang, Visiting Student, University of Washington (2015)

Yushi Tan, Visiting Student, University of Washington (2015)

Zhan Qin, Visiting Student, University at Buffalo (2015)

Hui Lin, Visiting Student, University of Illinois – Urbana Champaign (2015)

Hongxing Ye, Visiting Student, Illinois Institute of Technology (2015)

Yanlong Sun, Visiting Student, Tsinghua University (2015)

Hui Liu, Visiting Professor, Jiangsu University (2015)

Chunyu Zhang, Visiting Student, Technical University of Denmark (2015)

Liping Guo, Visiting Professor, Northern Illinois University (2015)

Zhigang Li, Visiting Student, Tsinghua University (2015)

Wei Yuan, Visiting Student, University of South Florida (2015)

Ahmad Taha, Visiting Student, Purdue University (2015)

Honghao Zheng, Visiting Student, University of Wisconsin at Madison (2015)

Jana Heckenbergerova, Visiting Scholar, University of Pardubice (2014-2015)

Emil Larsen, Visiting Student, Technical University of Denmark (2014)

Xiaozhe Wang, Visiting Student, Cornell University (2014)

Yezhou Wang, Visiting Student, University of Texas at Austin (2014)

Mohammad Haj-ahmed, Visiting Student, Ohio State University (2014)

Christine Chen, Visiting Student, University of Illinois (2014)

Liangyi Sun, Visiting Student, Georgia Institute of Technology (2014)

Ping Liu, Visiting Student, Mississippi State University (2014)

Zhengshuo Li, Visiting Student, Tsinghua University (2014)

Wann-Jiun Ma, Visiting Student, University of Notre Dame (2014)

Feng Qiu, Postdoc, Georgia Institute of Technology (2013–2016)

Chen Chen, Postdoc, Leigh University (2013–2016)

Bokan Chen, Visiting Student, Iowa State University (2013)

Daniel Alvarez, Visiting Student, Cornell University (2013)

Jon Donadee, Visiting Student, Carnegie Mellon University (2013)

Zhaoyu Wang, Visiting Student, Georgia Institute of Technology (2013)

Duehee Lee, Visiting Student, University of Texas at Austin (2013)

Chen Chen, Visiting Student, Lehigh University (2012)

Gengyang Sun, Visiting Student, Lehigh University (2012)

Zheng Hu, Visiting Student, University of Delaware (2012)

Chi Zhang, Visiting Student, Steven Institute of Technology (2012)

Wencong Su, Visiting Student, North Carolina State University (2012)

Yang Yang, Visiting Student, Northwestern University (2011–2012)

Xi Yang, Visiting Student, Illinois Institute of Technology (2011–2012)

Juan Ruiz, Visiting Student, Carnegie Mellon University (2011)

Jorge Valenzuela, Visiting Professor, Auburn University (2010)

Cong Liu, Postdoc, Illinois Institute of Technology (2010–2012)

Zhi Zhou, Postdoc, Rensselaer Polytechnic Institute (2010–2012)

James Ostrowski, Postdoc, Lehigh University (2010–2011)

Qianfan Wang, Visiting Student, University of Florida (2010–2011)

Jiaxin Ning, Visiting Student, Tennessee Tech University (2010)

Fei Zhao, Visiting Student, Georgia Institute of Technology (2010)

TECHNICAL SESSIONS CHAIRED AT INTERNATIONAL CONFERENCES

[1] Grid Resilience: Modernization Strategies and Advanced Power System Operations, IEEE PES General Meetings, Washington DC, USA, 2014.

[2] Flexible Infrastructure — A Necessary Ingredient for the Renewable Energy Future, IEEE PES General Meetings, Vancouver, British Columbia, Canada, 2013.

[3] Operational and Market Challenges in Markets with High Penetration of Renewable Energy Sources, IEEE PES General Meetings, San Diego, California, 2012.

[4] Advancements in Power Systems Operations with Variable Generation, IEEE PES General Meetings, Detroit, Michigan, 2011.

[5] Smart Grid Reliability, IEEE PES General Meetings, Detroit, Michigan, 2011.

[6] Power System Planning, Industrial Engineering Research Conference (IERC), Reno, Nevada, 2011.

[7] Renewables, Emissions Trading and Climate Change, INFORMS Annual meetings, Austin, Texas, 2010.

[8] Improved Power System Operations with High Penetration of Wind Power: A Dialog Between Academia and Industry, IEEE PES General Meetings, Minneapolis, Minnesota, 2010.

[9] Advanced Power System Operations with Smart Grid Technologies, IEEE PES General Meetings, Minneapolis, Minnesota, 2010.

[10] Future Electric Power Systems — Vision, Challenges and Solutions, IEEE PES General Meetings, Minneapolis, Minnesota, 2010.

[11] Impact of High Penetration of Wind Power on Power System Operations, IEEE PES General Meetings, Calgary, Alberta, Canada, 2009.

[12] Interaction between Emission Market and Electricity Market, IEEE PES General Meetings, Calgary, Alberta, Canada, 2009.

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