

# Chenye Wu

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## Employment

**The Chinese University of Hong Kong, Shenzhen**/School of Sci. and Engr. SHENZHEN, CN  
**Assistant Dean (Education), Assistant Professor, Presidential Young Fellow** *Aug. 2020 – present*

**Tsinghua University**/Institute for Interdisciplinary Information Sciences BEIJING, CN  
**Assistant Professor** *Feb. 2017 – Aug. 2020*

**ETH Zurich**/Electrical Engineering Department ZURICH, CH  
**wiss. Mitarbeiter (Research Scientist)** *June. 2016 – Nov. 2016*

**University of California, Berkeley**/Mechanical Engineering Department BERKELEY, CA  
**Postdoctoral Fellow** *Nov. 2014 – May. 2016*

Mentors: Prof. [Kameshwar Poolla](#), and Prof. [Pravin Varaiya](#)

**Carnegie Mellon University**/Electrical and Computer Engineering Department PITTSBURGH, PA  
**Postdoctoral Fellow** *Oct. 2013 – Oct. 2014*

Mentors: Prof. [Gabriela Hug](#), and Prof. [Soumya Kar](#).

## Education

**Tsinghua University**/Institute for Interdisciplinary Information Sciences BEIJING, CHINA  
**Ph.D. in Computer Science and Technology** *Aug. 2009 – Jul. 2013*

Advisor: Prof. [Andrew C. Yao](#)

**Tsinghua University**/Department of Electronic Engineering BEIJING, CHINA  
**B.E. in Electronic Information Science and Technology** *Aug. 2005 – Jul. 2009*

## Selected Honors

**Presidential Exemplary Teaching Award** *Jan. 2025*

**Best Paper Award, Shenzhen Association for Science and Technology** *Dec. 2024*

**Award for Ethics in Teaching** *Sept. 2024*

**CCF-Didi Gaia Collaborative Research Funds for Yong Scholars** *Dec. 2020*

**Best Conference Paper Award IEEE PES General Meeting** *Aug. 2020*

**Excellence in Computer Science Teaching Award, Ministry of Education, P.R. China** *Nov. 2018*

**The Best of Best Paper Award, IEEE PES General Meeting, 4 out of 1,600 papers** *Jul. 2013*

**IEEE SmartGridComm Best Paper Award** *Nov. 2012*

**Optimization Theory and Algorithms (CIE6010), 2022 Spring** *6.0*

## Citation Overview

Source: Google Scholar

1. Number of citations: 4450
2. H-index: 28

## Publication List

**Journals** [Only papers where I am the first author, corresponding author, or last author are listed.]

1. Jingshi Cui, Yi Guo, **Chenye Wu\***, "Multi-Period Adaptive Robust Scheduling of Flexibility Providers With Diverse Response Delays," in IEEE Transactions on Power Systems, 2025 (impact factor: 6.6, JCR Q1).
2. Chenbei Lu, Zaiwei Chen, Tongxin Li, **Chenye Wu**, Adam Wierman, "Reinforcement Learning with Imperfect Transition Predictions: A Bellman-Jensen Approach," in Advances in Neural Information Processing Systems (NeurIPS), 2025 (Spotlight, CCF-A).
3. Chenbei Lu, Laixi Shi, Zaiwei Chen, **Chenye Wu**, Adam Wierman, "Overcoming the Curse of Dimensionality in Reinforcement Learning Through Approximate Factorization," in International Conference on Machine Learning (ICML), 2025 (CCF-A).
4. Zhirui Tian, Weican Liu, Wenpu Sun, **Chenye Wu\***, "From LMP to eLMP: An accurate transfer strategy for electricity price prediction based on learning ensemble," in Energy, vol. 325, no. 135926, 2025 (impact factor: 9.0, JCR Q1).
5. Zipeng Liang, C.Y. Chung, Qin Wang, Haoyong Chen, Haosen Yang, **Chenye Wu\***, "Fortifying Renewable-Dominant Hybrid Microgrids: A Bi-Directional Converter Based Interconnection Planning Approach," in Engineering, 2025 (impact factor: 10.1, JCR Q1).
6. Zhirui Tian, Wenpu Sun, **Chenye Wu\***, "MLP-Carbon: A new paradigm integrating multi-frequency and multi-scale techniques for accurate carbon price forecasting," in Applied Energy, vol. 383, no. 125330, April 2025 (impact factor: 10.1, JCR Q1).
7. Zhirui Tian, Weican Liu, Jiahao Zhang, Wenpu Sun, **Chenye Wu\***, "EDformer family: End-to-end multi-task load forecasting frameworks for day-ahead economic dispatch," in Applied Energy, vol. 383, no. 125319, April 2025 (impact factor: 10.1, JCR Q1).
8. Jiahao Zhang, Chenbei Lu, Hongyu Yi, **Chenye Wu\***, "User-perceptional privacy protection in NILM: A differential privacy approach," in Applied Energy, vol. 382, no. 125233, March 2025 (impact factor: 10.1, JCR Q1).
9. Jingshi Cui, Wenqian Jiang, **Chenye Wu\***, "Pricing mechanism design for future EV charging station with hybrid fixed and mobile charging modes," in Applied Energy, vol. 380, no. 125033, February 2025 (impact factor: 10.1, JCR Q1).
10. Jiahao Zhang, Ruo Peng, Chenbei Lu, **Chenye Wu\***, "Computationally efficient data synthesis for AC-OPF: Integrating Physics-Informed Neural Network solvers and active learning," in Applied Energy, vol. 378, Part A, no. 124714, January 2025 (impact factor: 10.1, JCR Q1).
11. Wenqian Jiang, **Chenye Wu\***, "Optimal Electricity Procurement Enabled by Privacy-Preserving Samples," in IEEE Transactions on Energy Markets, Policy and Regulation, vol. 2, no. 3, pp. 339-349, Sept. 2024.

12. Gehui Xu, Yaoyu Zhang, Jian Sun, Guanpu Chen, **Chenye Wu\***, "Enable Microgrid Energy Management: A Graph Based Aggregative Game Approach," in IEEE Transactions on Network Science and Engineering, vol. 11, no. 5, pp. 5099-5113, Sept.-Oct. 2024 (impact factor: 6.7, JCR Q1).
13. Nan Gu, Enming Yuan, **Chenye Wu\***, "Uncertainty Set Learning for Adaptive Robust Economic Dispatch," in IEEE Control Systems Letters, vol. 8, pp. 1156-1161, 2024 (impact factor: 2.4, JCR Q2).
14. Zhirui Tian, Wweican Liu, Wenqian Jiang, **Chenye Wu\***, "CNNs-Transformer based day-ahead probabilistic load forecasting for weekends with limited data availability," in Energy, vol. 293, no. 130666, April 2024 (impact factor: 9.0, JCR Q1).
15. Gaoyuan Xu, Jian Shi, Jiaman Wu, Chenbei Lu, **Chenye Wu\***, Dan Wang and Zhu Han, "An optimal solutions-guided deep reinforcement learning approach for online energy storage control," in Applied Energy, vol. 361, no. 122915, May 2024 (impact factor: 10.1, JCR Q1).
16. Jiaman Wu, Chenbei Lu, **Chenye Wu\***, Jian Shi, Marta C. Gonzalez, Dan Wang, Zhu Han, "A cluster-based appliance-level-of-use demand response program design," in Applied Energy, vol. 362, no. 123003, May 2024 (impact factor: 10.1, JCR Q1).
17. Chenbei Lu, Jinhao Liang, Nan Gu, Haoxiang Wang, **Chenye Wu\***, "Manipulation-Proof Virtual Bidding Mechanism Design," in IEEE Transactions on Energy Markets, Policy and Regulation, vol. 2, no. 1, pp. 119-131, March 2024.
18. Chenbei Lu, Jingshi Cui, Haoxiang Wang, Hongyu Yi, **Chenye Wu\***, "Privacy Preserving User Energy Consumption Profiling: From Theory to Application," in IEEE Transactions on Smart Grid, vol. 15, no. 2, pp. 2332-2347, March 2024 (impact factor: 8.6, JCR Q1).
19. Wenqian Jiang, Jiaqi Huang, Gaoyuan Xu, **Chenye Wu\***, "Sample-Oriented Electricity Storage Sharing Mechanism Design With Performance Guarantees," in IEEE Transactions on Smart Grid, vol. 15, no. 2, pp. 2030-2043, March 2024 (impact factor: 8.6, JCR Q1).
20. Qiushi Huang, Wenqian Jiang, Jian Shi, **Chenye Wu\***, Dan Wang and Zhu Han, "Federated Shift-Invariant Dictionary Learning Enabled Distributed User Profiling," in IEEE Transactions on Power Systems, vol. 39, no. 2, pp. 4164-4178, March 2024 (impact factor: 6.5, JCR Q1).
21. Chenbei Lu, Nan Gu, Wenqian Jiang, **Chenye Wu\***, "Sample-Adaptive Robust Economic Dispatch With Statistically Feasible Guarantees," in IEEE Transactions on Power Systems, vol. 39, no. 1, pp. 779-793, Jan. 2024 (impact factor: 6.5, JCR Q1).
22. Jingshi Cui, Jiaman Wu, **Chenye Wu\***, Scott Moura, "Electric vehicles embedded virtual power plants dispatch mechanism design considering charging efficiencies," in Applied Energy, vol. 352, no. 121984, December 2023 (impact factor: 10.1, JCR Q1).
23. Nan Gu, Jingshi Cui, **Chenye Wu\***, "An Auto-Tuned Robust Dispatch Strategy for Virtual Power Plants to Provide Multi-Stage Real-time Balancing Service," in IEEE Transactions on Smart Grid, vol. 14, no. 6, pp. 4494-4507, Nov. 2023 (impact factor: 8.6, JCR Q1).
24. Wenqian Jiang, Chenbei Lu, **Chenye Wu\***, "Robust Scheduling of Thermostatically Controlled Loads with Statistically Feasible Guarantees", in IEEE Transactions on Smart Grid, vol. 14, no. 5, pp. 3561-3572, Sept. 2023 (impact factor: 8.6, JCR Q1).

25. Haoxiang Wang, **Chenye Wu\***, "Privacy Preservation for Time Series Data in the Electricity Sector", in *IEEE Transactions on Smart Grid*, vol. 14, no. 4, pp. 3136-3149, July 2023 (impact factor: 8.6, JCR Q1).
26. Jiaqi Huang, Qiushi Huang, Gaoyang Mou, **Chenye Wu\***, "DPWGAN: High-Quality Load Profiles Synthesis with Differential Privacy Guarantees", in *IEEE Transactions on Smart Grid*, vol. 14, no. 4, pp. 3283-3295, July 2023 (impact factor: 8.6, JCR Q1).
27. Chenbei Lu, Jinhao Liang, Wenqian Jiang, Jiaye Teng, **Chenye Wu\***, "High-Resolution Probabilistic Load Forecasting: A Learning Ensemble Approach", in *Journal of the Franklin Institute*, vol. 360, April 2023 (impact factor: 4.1, JCR Q1).
28. Yaoyu Zhang, Qingsong Liu, Jian Sun, **Chenye Wu\***, "The Optimal Dynamic Regret for Smoothed Online Convex Optimization with Squared L2 Norm Switching Costs", in *Journal of the Franklin Institute*, vol. 360, April 2023 (impact factor: 4.1, JCR Q1).
29. Chenbei Lu, Jiaman Wu, Jingshi Cui, Yanyan Xu, **Chenye Wu\***, Marta C Gonzalez, "Deadline Differentiated Dynamic EV Charging Price Menu Design", in *IEEE Transactions on Smart Grid*, vol. 14, no. 1, pp. 502-516, Jan. 2023 (impact factor: 8.6, JCR Q1).
30. Nan Gu, Jingshi Cui, **Chenye Wu\***, "A General Nash Bargaining Solution to the TSO-DSOs Coordinated Flexibility Trading Market", *Electric Power Systems Research*, vol. 212, no. 108329, November 2022 (impact factor: 3.3, JCR Q2).
31. Chenbei Lu, Jiaman Wu, **Chenye Wu\***, "Privacy-Preserving Decentralized Price Coordination for EV Charging Stations", *Electric Power Systems Research*, vol. 212, no. 108355, November 2022 (impact factor: 3.3, JCR Q2).
32. Chenbei Lu, Wenqian Jiang, **Chenye Wu\***, "Effective end-to-end learning framework for economic dispatch," in *IEEE Transactions on Network Science and Engineering*, vol. 9, no. 4, pp. 2673-2683, 1 July-Aug. 2022 (impact factor: 6.7, JCR Q1).
33. Jiaman Wu, Chenbei Lu, **Chenye Wu\***, "Learning-Aided Framework for Storage Control Facing Renewable Energy," in *IEEE Systems Journal*, vol. 17, no. 1, pp. 652-663, March 2023 (impact factor: 2.4, JCR Q2).
34. Jiasheng Zhang, Jian Sun, **Chenye Wu\***, "Enable a Carbon Efficient Power Grid via Minimal Uplift Payments," in *IEEE Transactions on Sustainable Energy*, vol. 13, no. 3, pp. 1329-1343, July 2022 (impact factor: 8.6, JCR Q1).
35. Yaoyu Zhang, Jian Sun, **Chenye Wu\***, "Vehicle-to-Grid Coordination via Mean Field Game," in *IEEE Control Systems Letters*, vol. 6, pp. 2084-2089, January 2022 (impact factor: 2.4, JCR Q2).
36. Nan Gu, Jingshi Cui, **Chenye Wu\***, "Power-Electronics-Enabled Transactive Energy Market Design for Distribution Networks," in *IEEE Transactions on Smart Grid*, vol. 13, no. 5, pp. 3968-3983, Sept. 2022 (impact factor: 8.6, JCR Q1).
37. Jingshi Cui, Nan Gu, Tianyu Zhao, **Chenye Wu\***, Minghua Chen, "Forecast Competition in Energy Imbalance Market," in *IEEE Transactions on Power Systems*, vol. 37, no. 3, pp. 2397-2413, May 2022 (impact factor: 6.5, JCR Q1).
38. Jingshi Cui, Nan Gu, **Chenye Wu\***, "Blockchain Enabled Data Transmission for Energy Imbalance Market," in *IEEE Transactions on Sustainable Energy*, vol. 13, no. 2, pp. 1254-1266, April 2022 (impact factor: 8.6, JCR Q1).

39. Nan Gu, Haoxiang Wang, Jiasheng Zhang, **Chenye Wu\***, "Bridging Chance-constrained and Robust Optimization in an Emission-aware Economic Dispatch with Energy Storage," in IEEE Transactions on Power Systems, vol. 37, no. 2, pp. 1078-1090, March 2022 (impact factor: 6.5, JCR Q1).
40. Tianyu Wang, **Chenye Wu\***, Wei Qi, "On Data-driven Multi-Product Pricing," in IEEE Control Systems Letters, vol. 5, no. 5, pp. 1687-1692, Nov. 2021 (impact factor: 2.4, JCR Q2).
41. Kui Wang, Yang Yu, **Chenye Wu\***, "Optimal Electricity Storage Sharing Mechanism for Single Peaked Time-of-Use Pricing Scheme," in Electric Power Systems Research, Vol. 195, no. 107176, June 2021 (impact factor: 3.3, JCR Q2).
42. Haoxiang Wang, Jiasheng Zhang, Chenbei Lu, **Chenye Wu\***, "Privacy Preserving in Non-Intrusive Load Monitoring: A Differential Privacy Perspective," in IEEE Transactions on Smart Grid, vol. 12, no. 3, pp. 2529-2543, May 2021 (impact factor: 8.6, JCR Q1).
43. Jiaman Wu, Zhiqi Wang, **Chenye Wu\***, Kui Wang, Yang Yu, "A Data-driven Storage Control Framework for Dynamic Pricing," in IEEE Transactions on Smart Grid, vol. 12, no. 1, pp. 737-750, Jan. 2021 (impact factor: 8.6, JCR Q1).
44. Jian Sun, Nan Gu, **Chenye Wu\***, "Strategic Bidding in Extended Locational Marginal Price Scheme," IEEE Control Systems Letters, Vol. 5, No. 1, pp. 19-24, Jan. 2021 (impact factor: 2.4, JCR Q2).
45. **Chenye Wu\***, Gabriela Hug, Soumya Kar, "Smart Inverter for Voltage Regulation: Physical and Market Implementation," in IEEE Transactions on Power Systems, Vol. 33, No. 5, pp. 6181-6192, Nov. 2018 (impact factor: 6.5, JCR Q1).
46. **Chenye Wu\***, Gabriela Hug, Soumya Kar, "Risk-limiting Economic Dispatch for Electricity Markets with Flexible Ramping Products," in IEEE Transactions on Power Systems, Vol. 31, No. 3, pp. 1990-2003, May 2016 (impact factor: 6.5, JCR Q1).
47. Gabriela Hug\*, Soumya Kar, **Chenye Wu**, "Consensus + Innovations Approach for Distributed Multi-Agent Coordination in a Microgrid," in IEEE Transactions on Smart Grid, Vol. 6, No. 4, pp. 1893-1903, July 2015 (impact factor: 8.6, JCR Q1).
48. **Chenye Wu\***, Yiyu Shi, Soumya Kar, "Exploring the Demand Flexibility in Heterogenous Aggregators: An LMP-based Pricing Scheme," in ACM Transactions on Embedded Computing Systems, Vol. 13, No. 2s, Jan. 2014 (impact factor: 2.8, JCR Q2).
49. Ajay Kumar\*, **Chenye Wu**, "Automated Human Identification Using Ear Imaging," in Pattern Recognition, Vol. 41, No. 5, pp. 956-968, Mar. 2012 (impact factor: 7.5, JCR Q1).
50. **Chenye Wu**, Hamed Mohsenian-Rad, Jianwei Huang\*, "Vehicle-to-Aggregator Interaction Game," in IEEE Transactions on Smart Grid, Vol. 3, No. 1, pp. 434-442, Mar. 2012 (impact factor: 8.6, JCR Q1).

#### Referred Conference Proceedings

1. Haojun Wang, Chenbei Lu, **Chenye Wu\***, "Robust Virtual Bidding in the Two-Settlement Electricity Market," 2024 IEEE Power & Energy Society General Meeting (PESGM), Seattle, WA, USA, 2024.
2. Weican Liu, Zhirui Tian, Jingshi Cui, **Chenye Wu\***, "Load Forecasting with Deep Learning: Critical Day Matters," 2024 IEEE Power & Energy Society General Meeting (PESGM), Seattle, WA, USA, 2024.

3. Wenqian Jiang, Jinhao Liang, Chenbei Lu, **Chenye Wu\***, "Robust Online EV Charging Scheduling with Statistical Feasibility," 2023 62nd IEEE Conference on Decision and Control (CDC), Singapore, Singapore, 2023, pp. 5594-5599.
4. Jian Sun, Yaoyu Zhang, **Chenye Wu\***, "Effective Risk-Limiting Carbon Emission Aware Economic Dispatch: An Algorithmic Perspective," In Proceedings of the 14th ACM International Conference on Future Energy Systems (e-Energy '23), Orlando, FL, USA, 2023.
5. Yaoyu Zhang, Yuhan Kang, **Chenye Wu\***, Jian Shi, Dan Wang and Zhu Han, "Carbon Emission-Aware Storage Control via Mean Field Game Coordination," 2022 IEEE 61st Conference on Decision and Control (CDC), Cancun, Mexico, 2022, pp. 5544-5549.
6. Wenqian Jiang, **Chenye Wu\***, "LMP Prediction with Incomplete Information," 2022 IEEE Power & Energy Society General Meeting (PESGM), Denver, CO, USA, 2022.
7. Haoxiang Wang, **Chenye Wu\***, "Optimal Green Certificate Auction Design Embedding Economic Dispatch," In Proceedings of the Thirteenth ACM International Conference on Future Energy Systems (e-Energy '22), Virtual Event, 2022.
8. Qiushi Huang, **Chenye Wu\***, "Boosting False Data Injection Attack Detection with Structural Knowledge," 2022 American Control Conference (ACC), Atlanta, GA, USA, 2022, pp. 4595-4600.
9. Chenbei Lu, Zhiqi Wang, **Chenye Wu\***, "On the Service Surcharge Design for EV Charging Stations," 2021 60th IEEE Conference on Decision and Control (CDC), Austin, TX, USA, 2021, pp. 5653-5658.
10. Chenbei Lu, Jiaman Wu, **Chenye Wu\***, Yongli Qin, Qun Li and Nan Ma, "Efficiency or Fairness? Carpooling Design for Online Ride-hailing Platform," In Proceedings of ACM SigSpatial 2021, Beijing, China, Nov. 2021.
11. Haoxiang Wang, Xun Luo, **Chenye Wu\***, "Differential Privacy in Consumer Behavior Analysis," 2021 IEEE Power & Energy Society General Meeting (PESGM), Washington, DC, USA, 2021.
12. Jian Sun, **Chenye Wu\***, "Temporal Vulnerability Assessment for Convex Hull Pricing," In Proceedings of the Twelfth ACM International Conference on Future Energy Systems (e-Energy '21), Torino, Italy, June 2021.
13. Jiaman Wu, **Chenye Wu**, "On the Double Auction Mechanism Design for Electricity Market," 2020 IEEE International Conference on Communications, Control, and Computing Technologies for Smart Grids (SmartGridComm), Tempe, AZ, USA, 2020.
14. Jiasheng Zhang, Nan Gu, **Chenye Wu**, "Energy Storage as Public Asset," In Proceedings of the Eleventh ACM International Conference on Future Energy Systems (e-Energy '20), Association for Computing Machinery, New York, NY, USA, 374-385.
15. Jianman Wu, Zhiqi Wang, Yang Yu, **Chenye Wu**, "Optimal Storage Control for Dynamic Pricing," In Proceedings of the Eleventh ACM International Conference on Future Energy Systems (e-Energy '20), Association for Computing Machinery, New York, NY, USA. (Poster)
16. Jian Sun, Nan Gu, **Chenye Wu**, "Market Power in Convex Hull Pricing," In Proceedings of the Eleventh ACM International Conference on Future Energy Systems (e-Energy '20), Association for Computing Machinery, New York, NY, USA. (Poster)
17. Haoxiang Wang, **Chenye Wu**, "Understanding Differential Privacy in Non-Intrusive Load Monitoring," In Proceedings of the Eleventh ACM International Conference on Future Energy Systems (e-Energy '20), Association

for Computing Machinery, New York, NY, USA. (Poster)

18. Jiasheng Zhang, Nan Gu, Yang Yu, **Chenye Wu**, "Value of Storage for Renewable Portfolio Standard," 2020 IEEE Power & Energy Society General Meeting (PESGM), Montreal, QC, Canada, 2020.
19. Jian Sun, Yaoyu Zhang, Yang Yu, **Chenye Wu**, "Storage Control for Carbon Emission Reduction: Opportunities and Challenges," 2020 IEEE Power & Energy Society General Meeting (PESGM), Montreal, QC, Canada, 2020.
20. Xingyu Gao, Kui Wang, **Chenye Wu**, "Who Should Pay for the Mileage Payment?", 2018 IEEE International Conference on Communications, Control, and Computing Technologies for Smart Grids (SmartGridComm), Aalborg, Denmark, 2018.
21. **Chenye Wu**, Gabriela Hug, Soumya Kar, "Distributed Voltage Regulation in Distribution Power Grids: Utilizing the Photovoltaics Inverters," 2017 American Control Conference (ACC), Seattle, WA, USA, 2017, pp. 2725-2731.
22. **Chenye Wu**, Dileep Kalathil, Kameshwar Poolla, Pravin Varaiya, "Sharing Electricity Storage," 2016 IEEE 55th Conference on Decision and Control (CDC), Las Vegas, NV, USA, 2016, pp. 813-820.
23. **Chenye Wu**, Wenyuan Tang, Kameshwar Poolla, Ram Rajagopal, "Predictability, Constancy and Contingency in Electric Load Profiles," 2016 IEEE International Conference on Smart Grid Communications (SmartGridComm), Sydney, NSW, Australia, 2016, pp. 662-667.
24. **Chenye Wu**, Jared Porter, Kameshwar Poolla, "Community Storage for Firming," 2016 IEEE International Conference on Smart Grid Communications (SmartGridComm), Sydney, NSW, Australia, 2016, pp. 570-575.
25. **Chenye Wu**, Soumya Kar, Gabriela Hug, "Enhanced Secondary Frequency Control via Distributed Peer-to-Peer Communication," 2016 European Control Conference (ECC), Aalborg, Denmark, 2016, pp. 897-902.
26. **Chenye Wu**, Subhomensh Bose, Adam Wierman, Hamed Mohsenian-Rad, "A Unifying Approach to Assessing Market Power in Deregulated Electricity Markets," 2013 IEEE Power & Energy Society General Meeting, Vancouver, BC, Canada, 2013, **Best of Best Paper Award Winner**.
27. **Chenye Wu**, Soumya Kar, "LMP-based Real Time Pricing for Optimal Capacity Planning with Maximal Wind Power Integration," 2012 IEEE Third International Conference on Smart Grid Communications (SmartGridComm), Tainan, Taiwan, 2012, pp. 67-72.
28. **Chenye Wu**, Hamed Mohsenian-Rad, Jianwei Huang, "PEV-based Reactive Power Compensation for Wind DG Units: A Stackelberg Game Approach," 2012 IEEE Third International Conference on Smart Grid Communications (SmartGridComm), Tainan, Taiwan, 2012, pp. 504-509, **Best Paper Award Winner**.

## Fund Raising

- Principal Investigator, Guangdong Province Offshore Wind Power Joint Fund (general program), RMB 300,000, 2024-2027
- Principal Investigator, Shenzhen Science and Technology Innovation Commission (excellent young researcher), RMB 2,000,000, 2023-2026
- Principal Investigator, National Natural Science Foundation of China (general program), RMB 460,000, 2023-2026

- Principal Investigator, Shenzhen Science and Technology Innovation Commission (general program), RMB 300,000, 2022-2025
- Principal Investigator, CCF-Tencent Rhino-Bird Young Faculty Research Fund, RMB 150,000, 2022-2023
- Principal Investigator, CCF-Tencent Rhino-Bird Young Faculty Research Fund, RMB 50,000, 2021-2022
- Principal Investigator, CCF-Didi Gaia Collaborative Research Funds for Yong Scholars, RMB 250,000, 2020-2021
- Principal Investigator, Dongguan Power Supply Bureau, RMB 1,635,900, 2021-2023
- Principal Investigator, China Electric Power Research Institute, RMB 247,500, 2022-2022

## Professional Services

### Associate Editor for:

*IEEE Transactions on Smart Grid*

*IEEE PES Engineering Letters*

*IEEE Systems Journal*

*Energy Internet*

### Guest Editor for:

*International Journal of Electrical Power & Energy Systems*

for Special Issue 'Climate Change Mitigation and Adaptation in Power and Energy Systems'

*Electric Power Systems Research*

for Special Issue 'Power Systems Computation Conference 2022'

*Applied Computational Intelligence and Soft Computing*

for Special Issue 'Computational Intelligence and Soft Computing in Active Electrical Distribution Network'

### Organizational Committee:

TPC co-Chair for IEEE SmartGridComm 2025

Conference Publicity co-Chair for ACM Future Energy Systems (e-Energy) 2024

Control and Operation Symposium co-Chair for IEEE SmartGridComm 2023

Digital Conference co-Chair for ACM Future Energy Systems (e-Energy) 2022

Data Analytics and Computation Symposium co-Chair for IEEE SmartGridComm 2022

### Reviewer for:

IEEE Transactions on Power Systems

IEEE Transactions on Smart Grid

European Journal of Operational Research

IEEE Transactions on Sustainable Energy

IEEE Transactions on Industrial Informatics

IEEE Transactions on Automatic Control

IEEE Transactions on Network Science and Engineering

Cell iScience

Journal on Selected Topics in Signal Processing

IEEE Transactions on Dependable and Secure Computing

IEEE International Conference on Computer Communications (Infocom)

IEEE PES Conference on Innovative Smart Grid Technologies (ISGT)

IEEE Global Communications Conference (Globecom)

IEEE PES General Meeting (PESGM)

IEEE American Control Conference (ACC)

IEEE Conference on Decision and Control (CDC)

International Computing and Combinatorics Conference (COCOON)

IEEE Vehicular Technology Conference (VTC)

IEEE Vehicle Power and Propulsion Conference (VPPC)

International Conference on Network Games Control and Optimization (NetGCoop)