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# 教育经历

* Ph.D., *Yale University, New Haven, CT, 2003-2008*
* M.S., *University of British Columbia (UBC), Vancouver, BC,* *2000-2003*
* 本科，强化班*,* 南京大学 *1995-1999*

# 工作经历

* 副教授，电气工程学院，西安交通大学 *2015-*至今
* 高级访问学者，*Potsdam Institute for Climate Impact Research*

*(PIK), Potsdam 2023*

* 访问教授，*MIT, Cambridge, MA 2020*
* 访问教授，*Adelaide University,* *Adelaide, South Australia 2020*
* 访问教授,北京计算科学研究中心, 北京 *2017*
* 访问学者，*Northwestern University, Evanston*，*IL 2015*
* **Research Affiliate***, MIT, Cambridge, MA 2012-2014*
* **Postdoctoral Fellow**, *Center for Excitonics, Research Lab of Electronics*

*(RLE), MIT, Cambridge, MA 2018-2011*

# 科研项目和奖励

1. 陕西省百人计划, 三秦学者
2. 自然科学基金面上项目：金属表面近场下共振能量转移理论和计算方法的研究
3. 国家电网华东分部横向项目：电网调度运行智能化发展路径和典型场景研究报告

# 代表论文

1. Graph Embedding Dynamic Feature-based Supervised Contrastive Learning of Transient Stability for Changing Power Grid Topologies, Zijian Lv, Xin Chen\*, and Zijian Feng, IEEE Transaction on Power Systems (under review), https://arxiv.org/abs/2308.00537
2. Collective Large-scale Wind Farm Multivariate Power Output Control Based on Hierarchical Communication Multi-Agent Proximal Policy Optimization, Yubao Zhang, Xin Chen\*, Sumei Gong, and Haojie Chen, Renewable Energy (under review) https://arxiv.org/abs/2305.10161
3. State of Health prediction of lithium-ion batteries based on temporal degeneration feature extraction with Deep Cycle Attention Network, Chenye Zou, Xin Chen\*, Yadong Zhang, 65, 107367 (2023)
4. L. Huo, X. Chen\*, Higher-order motif-based time series classification for forced oscillation source location in power grids, Nonlinear Dynamics (2023). https://link.springer.com/article/10.1007/s11071-023-08918-5
5. P. Sun, L. Huo, X. Chen\* and S. Liang, Rotor Angle Stability Prediction using Temporal and Topological Embedding Deep Neural Network Based on Grid-Informed Adjacency Matrix, Journal of Modern Power Systems and Clean Energy (2023), https://ieeexplore.ieee.org/document/10234142
6. H. Liu, X. Chen\*, L. Huo, C. NiuPower network uniqueness and synchronization stability from a higher-order structure perspective, Physica D: Nonlinear Phenomena 443, 133557(2023)
7. L. Huo, X. Chen\*, The waiting-time distribution for network partitions in cascading failures in power networks, Physica A: Statistical Mechanics and its Applications 598, 127381, 2023
8. H. Liu, X. Chen\*, L. Huo, Y. Zhang, C. Niu, Impact of inter-network assortativity on robustness against cascading failures in cyber–physical power systems, Reliability Engineering & System Safety 217, 108068 (2022)
9. Motif Difference Field: An Effective Image-based Time Series Classification and Applications in Machine Malfunction Detection, Yadong Zhang, Fuhang Gan, and Xin Chen\*, in Proceeding of the 4th IEEE Conference on Energy Internet and Energy System Integration, 2020
10. Förster Resonant Energy Transfer Mediated by the Evanescent Fields of Nanophotonic Particles, Changhao Meng, Xin Chen\*, Zhenghua An, J. Phys. Chem. C, 123, 29900- 29907(2019)
11. Resonant energy transfer under the influence of the evanescent field from the metal, Amrit Poudel, Xin Chen\*, and Mark A. Ratner\*, The Journal of Chemical Physics 146, 244115 (2017)
12. Enhancement of Resonance Energy Transfer Due to Evanescent-wave from the Metal, A. Poudel, X. Chen\*. M. A. Ratner, J. Phys. Chem. Lett., 7, 955–960 (2016)
13. Xin Chen\*, The rigorous stochastic matrix multiplication scheme for the calculations of reduced equilibrium density matrices of open multilevel quantum systems, J. Chem. Phys., 140, 154101 (2014)
14. Xin Chen\*, Jianshu Cao, and Robert J. Silbey. “A Novel Construction of Complex-valued Gaussian Processes with Arbitrary Spectral Density and its Application to Excitation Energy Transfer” J. Chem. Phys. 138, 224104 (2013)
15. Xin Chen and Robert J. Silbey. “Excitation Energy Transfer in Non-Markovian Dynamical Disordered Environment: Localization, Narrowing and Transfer Efficiency” J. Phys. Chem. B 115, 5499 (2012)
16. Xin Chen and Robert J. Silbey. “Effect of Correlation of Local Fluctuations on Exciton Coherence” J. Chem. Phys. 132, 204503 (2010)
17. Xin Chen and Victor Batista. “The MP/SOFT Methodology for Simulations of Non-adiabatic Quantum Dynamics: Application to the Photo-isomerization of the Retinyl Chromophore in Rhodopsin” Photochem. Photobiol. 190, 274 (2007).
18. Xin Chen and Victor Batista. “Matching Pursuit Split Operator Fourier Transform Simulations of Non-adiabatic Excited State Quantum Dynamics in Pyrazine” J. Chem. Phys. 125, 124313 (2006)
19. Xin Chen and Victor Batista. “Matching Pursuit/ Split Operator Fourier Transform

Computations of Thermal Correlation Functions” J. Chem. Phys. 122, 64102 (2005)