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EDUCATION	Ph.D. in Electrical Engineering (minor in CS), Iowa State University, Ames IA, 4.0/4.0 12/2014		
	B. S. in Automation , Zhejiang University, Hangzhou China Accomplishment Certificate for Machine Learning, Coursera		06/2009
			12/2014
RESEARCH	Systems and Control: Model predictive control, optimal control, stochastic processes, event-triggered control		
Interests	Artificial Intelligence: Reinforcement learning, deep learning, time series, generative adversary network		
	Automotive Systems: Autonomous vehicle, electric vehicle, battery control, vehicle dynamics, co-simulation		
	Energy Systems: Hybrid energy systems, renewable energy, power electronic, battery, economic analysis		
	Discrete Event and Hybrid Systems: failure diagnosis and prognosis, resiliency analysis, verification		
	Formal Methods : Model-based verification and validation, statistical verification, linear-time temporal logic		
EMPLOYMENT	Assistant Professor, ECE Deptartment, Oakland University, Roche	ester MI, USA	08/2020-present
	Senior Control Systems Engineer, General Motors, Milford MI, U	JSA	01/2017-08/2020
	R&D Scientist in <i>Power and Energy Systems</i> , Idaho National Labo	ratory, ID, USA	11/2014–12/2016
	Summer Intern in Software V&V, General Motors R&D, MI, USA Research Assistant in Stochastic Hybrid Systems, Iowa State University, IA, USA		04/2014-07/2014
			01/2011-10/2014
	Teaching Assistant in Electrical Engineering, Iowa State Universit	ty, IA, USA	01/2011–12/2013
Honors and	Associate Editor, IEEE Conference on Control Technology and Ap	pplications	2023-present
RECOGNITIONS	Associate Editor, IET Cyber-Systems and Robotics		2022-present
	Associate Editor, IFAC International Symposium on Advances in	Automotive Control	2022-present
	IEEE Senior Member		2020
	Associate Editor, IEEE International Conference on Robotics and	Automation	2020
	IEEE Best Paper Award, IEEE Transactions on Automation Science and Engineering		2016
	Associate Editor, Energy Systems		2016-present
	INL Publication Achievement Award, Idaho National Laboratory		2016
	INL Exceptional Contributions Program Award, Idaho National Laboratory		2015 & 2016
	Research Excellence Award, Iowa State University		2014
	Student Travel Award, American Control Conference		2014
	Professional Development Grants (PAG), Iowa State University		2014
	Third Class Scholarship for Undergraduate Student, Zhejiang University		2008
	Outstanding Student, Zhejiang University		2008
PUBLICATIONS	(Students under my close supervision are marked in <u>underline</u> ; corresponding author is marked by *)		

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- [21] **Jun Chen** and Ratnesh Kumar, "Stochastic Failure Prognosis of Discrete Event Systems," *IEEE Transactions on Automatic Control*, (Accepted for publication; to appear in October 2022)
- [20] **Jun Chen*** and Junhui Zhao, "Generating Synthetic Wind Speed Scenarios using Artificial Neural Networks for Probabilistic Analysis of Hybrid Energy Systems," *International Journal of Modelling, Identification and Control*, (Accepted for publication)
- [19] Xuan Xie, Guojiang Xiong, **Jun Chen** and Jing Zhang, "Universal Transparent Artificial Neural Network Based Fault Section Diagnosis Models for Power Systems," *Advanced Theory and Simulations*, volume 5, number 4, pages 1–12, April 2022.
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- [22] Ranya Badawi and Jun Chen*, "Enhancing Enumeration-Based Model Predictive Control for DC-DC Boost Converter with Event-Triggered Control," *European Control Conference*, London, UK, July 12–15, 2022.
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- [16] **Jun Chen***, Man Liang and Xu Ma, "Probabilistic Analysis of Electric Vehicle Energy Consumption Using MPC Speed Control and Nonlinear Battery Model," 2021 IEEE Green Technologies Conference, Denver, CO, April 7–9, 2021.
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- [11] Mariam Ibrahim, **Jun Chen** and Ratnesh Kumar, "A Resiliency Measure for Electrical Power Systems," 2016 IFAC/IEEE International Workshop on Discrete Event Systems, Xi'an, China, May 30 June 1, 2016.
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