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EDUCATION	Ph.D. in Electrical Engineering (minor in CS), Iowa State University, Ames IA, 4.0/4.0B. S. in Automation, Zhejiang University, Hangzhou China		12/2014 06/2009
RESEARCH INTERESTS	Systems and Control: Model predictive control, optimal control, stochastic processes, event-triggered control Artificial Intelligence: Reinforcement learning, deep learning, time series, generative adversary network Intelligent Vehicles: Autonomous vehicle, electric vehicle, battery control, vehicle dynamics, co-simulation		
	Power & Energy : Hybrid energy systems, renewable energy, power electronics, battery, economic analysis Discrete Event and Hybrid Systems : failure diagnosis and prognosis, resiliency, privacy, verification		
EMPLOYMENT	Assistant Professor, ECE Deptartment, Oakland University Senior Control Systems Engineer, General Motors, Mil R&D Scientist in Power and Energy Systems, Idaho Nati Summer Intern in Software V&V, General Motors R&D Research Assistant in Stochastic Hybrid Systems, Iowa Stacking Assistant in Electrical Engineering, Iowa State Research Assistant in System Identification, University of	ford MI, USA donal Laboratory, ID, USA , MI, USA State University, IA, USA e University, IA, USA	08/2020-present 01/2017-08/2020 11/2014-12/2016 04/2014-07/2014 01/2011-10/2014 01/2011-12/2013 08/2009-12/2010
HONORS AND RECOGNITIONS	NSF CAREER Award, National Science Foundation IEEE Best Paper Award, IEEE Transactions on Automa Best Paper Award, IEEE International Conference on El Most Active Grant Seeker Award, Oakland University Faculty Recognition Award for Research, Oakland Universite Editor, IEEE International Conference on Robits Associate Editor, IEEE Conference on Control Technology Associate Editor, IET Cyber-Systems and Robotics Associate Editor, IFAC International Symposium on Adundergraduate Research Competition Winner (my add INL Publication Achievement Award, Idaho National I. Research Excellence Award, Iowa State University Student Travel Award, American Control Conference Provost Graduate Fellowship, University of Central Flot Third Class Scholarship for Undergraduate Student, 2 Outstanding Student, Zhejiang University	dectro-Information Technology diversity dectrosity dect	2022 2016 2023 2023 2020 2020 2020 2023–present 2022–present 2022 2016 2014 2014 2009–2010 2008 2008
SELECTED GRANTS	Total ~\$795k [4] Jun Chen, \$40,000, "Sensor Reduction for Battery Cell State-of-Charge Estimation," 01/2024–12/2024, MEDC ADVANCE Proof-of-Concept Fund.		

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Patents

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- [2] Kaixiang Zhang, Kaian Chen, Zhaojian Li, **Jun Chen** and Yang Zheng, "Privacy-Preserving Data-Enabled Predictive Leading Cruise Control in Mixed Traffic," *IEEE Transactions on Intelligent Trans*portation Systems (Accepted for Publication October 2023).
- [3] Jun Chen*, Aman Behal, Zhaojian Li and Chong Li, "Active Battery Cell Balancing by Real Time Model Predictive Control for Extending Electric Vehicle Driving Range," *IEEE Transactions on Automation Science and Engineering*, (Accepted for Publication June 2023).
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- [3] Yang Chen, **Jun Chen***, Chenang Liu, Guodong Liu, Maximiliano Ferrari and Aditya Sundararajan, "Integrated Modeling and Optimal Operation of Multi-Energy System for Coastal Community," *IEEE International Conference on Electro Information Technology*, Romeoville, IL, May 18–20, 2023.
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- [6] <u>Ranya Badawi</u> and **Jun Chen***, "Performance Evaluation of Event-Triggered Model Predictive Control for Boost Converter," 2022 IEEE Vehicle Power and Propulsion Conference, Merced, CA, November 1–4, 2022.
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