Ph.D. Positions Available at Oakland University (Battery and EV Control)

Dr. Jun Chen has one available Ph.D. position in the Department of Electrical and Computer Engineering at Oakland University to work on the newly funded NSF CAREER project. The research areas include **Model Predictive Control, Reinforcement Learning, Electric Vehicles, and Battery Management Systems**. The Ph.D. program is expected to start in September 2024 and financial support will be given to promising and competent applicants. More information regarding this funded project can be found at: https://www.nsf.gov/awardsearch/showAward?AWD_ID=2237317, and more information regarding Dr. Chen's research can be found at: https://jchen2020.net/. **Candidates from underrepresented groups are encouraged to apply**.

Requirement: Applicants should have a M.S. degree in electrical engineering, mechanical engineering, industrial engineering or a closely related field. Self-motivation, excellence in math, and good communication and programming skills are expected. Previous background in control theory, machine learning, electric vehicles, and battery control are required. Other experience in mechatronics, electronics, mathematics, and/or modeling are also appreciated. Interested students are highly encouraged to contact Dr. Chen immediately at junchen@oakland.edu with the following documents:

- Cover letter to summarize past experience and to explain how you can fit into our project
- Detailed CV
- Transcripts for both master and undergraduate degrees
- One publication that is related to our project
- GRE/TOEFL (if applicable)
- Name and contact information for 3 references

About OU: Oakland University is a doctoral, research-intensive university located in Oakland County, Michigan. The university has 132 bachelor's degree programs and 138 graduate degree and certificate programs. Oakland University is organized into the College of Arts and Sciences, the Oakland University William Beaumont School of Medicine and the Schools of Business Administration, Education and Human Services, Engineering and Computer Science, Health Sciences, Nursing, School of Music, Theatre and Dance and The Honors College.

Bio: Dr. Jun Chen is currently with Oakland University as an Assistant Professor. He received his B.S. degree in Automation from Zhejiang University, Hangzhou China, in 2009, and Ph.D. degree in Electrical Engineering with minor in Computer Science from Iowa State University, Ames, IA, USA, in 2014. He was a research scientist with Idaho National Laboratory from 2014 to 2016 and a senior control engineer with General Motors from 2017 to 2020. Dr. Chen is a recipient of the NSF CAREER Award from National Science Foundation, the Best Paper Award from IEEE TRANSACTIONS ON AUTOMATION SCIENCE AND ENGINEERING, and the Best Paper Award from IEEE ETI CONFERENCE.