Graduate Research Assistantship in Power Electronics

We are looking for potential candidates that are interested in a Ph.D. study starting May 2019/August 2019 in the area of power electronics in USA. The student will join to the Department of Electrical and Computer Engineering (ece.eng.ua.edu) at University of Alabama, USA. Expected qualifications are:

- BS degree in electrical engineering (required)
- Practical knowledge in power electronics (PCB design, familiarity with TI DSPs, analog circuit design)
- BS/MS coursework in power electronics
- A master’s degree in electrical engineering in power focus is highly preferred but not required.
- Previous academic publications (especially in IEEE) (preferred but not required)

The prospective student will work at Flexible Integration Laboratory for Distributed Energy Systems (FIELD). The current research themes in FIELD are:

- Smart Grid Integration of Electric Vehicles
- EV Power Electronics Design
- Vehicle-to-grid Power Transfer
- PV-Grid Integration

For more information on our research activities: mck.people.ua.edu

This laboratory is a newly established lab primarily focusing on power electronics application of electric vehicles. We have state-of-the-art testing equipment including dSPACE MicroLabBox, OPAL-RT OP5600, and Typhoon HIL systems. Students are expected to start hands-on research on various power electronics systems.

The students who are interested in this position should send their most up to date CVs to mkisacik@ua.edu as well as their GRE test scores (if available). Selected candidates will be invited for full application.

Mithat Kisacikoglu
Assistant Professor
Electrical and Computer Engineering
The University of Alabama
mkisacik@ua.edu | http://mck.people.ua.edu

Founded in 1831 as the state’s first public college, The University of Alabama is dedicated to excellence in teaching, research and service. We provide a creative, nurturing campus environment where our students can become the best individuals possible, learn from the best and brightest faculty, and make a positive difference in the community, the state and the world.