

## Research Engineer The University of Alabama

Direct Link: <https://www.AcademicKeys.com/r?job=235984>

Downloaded On: Jun. 26, 2024 8:27pm

Posted May 10, 2024, set to expire Sep. 9, 2024

<b>Job Title</b>	Research Engineer
<b>Department</b>	Electrical and Computer Engineering
<b>Institution</b>	The University of Alabama Tuscaloosa, Alabama
<b>Date Posted</b>	May 10, 2024
<b>Application Deadline</b>	Open Until filed
<b>Position Start Date</b>	Available Immediately
<b>Job Categories</b>	Research Scientist/Associate
<b>Academic Field(s)</b>	Electrical and/or Electronics
<b>Job Website</b>	<a href="https://careers.ua.edu/jobs/53155812-e037-4d20-b554-a3b6eb18b136">https://careers.ua.edu/jobs/53155812-e037-4d20-b554-a3b6eb18b136</a>
<b>Apply Online Here</b>	<a href="https://careers.ua.edu/jobs/53155812-e037-4d20-b554-a3b6eb18b136">https://careers.ua.edu/jobs/53155812-e037-4d20-b554-a3b6eb18b136</a>
<b>Apply By Email</b>	
<b>Job Description</b>	

This Research Engineer works on an externally funded project under the supervision of Dr. Jaber Abu Qahouq, Electrical and Computer Engineering Professor in the College of Engineering at The University of Alabama. The project involves developing a system that includes hardware and control and management algorithms programming/software. The project is expected to involve developing, testing, and demonstrating power electronic systems hardware with power converters each with power levels that exceed 10 kW and/or voltages of up to 1000 V, advanced control of power electronic systems, analog-digital mixed power controllers for power electronic systems, electric vehicles fast chargers, and Lithium-Ion battery energy storage, but is subject to change. This position will work on

## Research Engineer The University of Alabama

Direct Link: <https://www.AcademicKeys.com/r?job=235984>

Downloaded On: Jun. 26, 2024 8:27pm

Posted May 10, 2024, set to expire Sep. 9, 2024

developing and testing/validating this system, use and maintain laboratory and its electrical and mechanical equipment and tools, prepare/write reports, and assist in lab management, maintenance and safety, etc. The research engineer laboratory safety responsibilities will include safe storage, use and disposal of batteries and other material, and providing safety supervision to users. Must be willing and able to learn additional skills that are needed for the project or if the need for arise and remain proficient and up to date with the state-of-the-art technology to support the project.

Must be willing and able to learn additional skills that are needed for the project and remain proficient and up to date with the state-of-the-art technology to support the project. The position continuity is subject to performance evaluations and availability/continuity of external funding for the project.

Required skills and knowledge includes: Knowledge in developing, testing, and demonstrating power electronic systems hardware with power converters each with power levels that exceed 10 kW and/or voltages of up to 1000 V, advanced control of power electronic systems, analog-digital mixed power controllers for power electronic systems, electric vehicles fast chargers, and Lithium-Ion battery energy storage. Must have excellent electrical and good mechanical skills, and the ability to work collaboratively with faculty, staff, and students.

Preferred qualifications include prior significant experience in one or more of the technical or research areas related to the project is preferred.

### **EEO/AA Policy**

The University of Alabama is an Equal Employment/Equal Educational Opportunity Institution. All qualified applicants will receive consideration for employment or volunteer status without regard to race, color, religion, national origin, sex, sexual orientation, gender identity, gender expression, pregnancy, age, genetic or family medical history information, disability, protected veteran status, or any other legally protected basis, and will not be discriminated against because of their protected status. Applicants and employees of this institution are protected under Federal law from discrimination on several bases. Follow the link below to find out more. "EEO is the Law" [Poster](#)

### **Contact Information**

Please reference Academickeys in your cover letter when

Research Engineer  
The University of Alabama

Direct Link: <https://www.AcademicKeys.com/r?job=235984>

Downloaded On: Jun. 26, 2024 8:27pm

Posted May 10, 2024, set to expire Sep. 9, 2024

applying for or inquiring about this job announcement.

**Contact**

,