

Multiple Faculty Positions in Mechanical Engineering University of Alabama at Birmingham

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Downloaded On: May. 8, 2024 5:15am

Posted Nov. 27, 2023, set to expire May 28, 2024

Job Title	Multiple Faculty Positions in Mechanical Engineering
Department	Mechanical and Materials Engineering Department
Institution	University of Alabama at Birmingham Birmingham, Alabama
Date Posted	Nov. 27, 2023
Application Deadline	Open until filled
Position Start Date	Available immediately
Job Categories	Assistant Professor Associate Professor Professor
Academic Field(s)	Mechanical Engineering Manufacturing & Quality Engineering

Apply By Email

Job Description

Multiple Faculty Positions in Mechanical Engineering

The Mechanical and Materials Engineering Department at the University of Alabama at Birmingham (UAB) is going through significant growth and expansion. We invite applications from highly qualified individuals for cluster hiring. Multiple full-time, 9-month tenure-track positions are available at the rank of Assistant or Associate Professor. Applicants must hold a doctoral degree in Mechanical Engineering or related fields, demonstrate strong potential or record in conducting leading-edge research and publishing high-quality scholarly work, and be able to teach both undergraduate and graduate level courses of the Department.

General MME Positions

We invite applications from highly qualified individuals in the broad area of mechanical engineering, including manufacturing, health science, and materials for defense and harsh conditions. A proven track record of competitive funding as PI is highly desired. The candidate should also be highly interested in serving the needs of

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the MME Department and the university community.

Advanced Manufacturing Positions

Ideal candidates will have a strong record of research and scholarship in advanced manufacturing and be actively involved in developing processes and designing innovative applications related to components and devices, sensing, signal and image analysis, monitoring, and materials. Topics of interest include optimizing designs, predicting system behaviors, improving manufacturing processes, and enabling autonomous systems. The areas of interest can also include creating intelligent, automated, and controllable systems that can sense their environment and respond accordingly. Skills in applying machine learning, deep learning, and related approaches to the above areas are desired.

Automation and Control Positions

Ideal candidates will have a strong record of research and scholarship in automation, control, and robotics for improved efficiency, safety, and productivity. This can be leveraged through UAB's strengths in the Materials Processing & Applications Development (MPAD) Center, a unique on-campus manufacturing pilot plant and foundry facility, as well as the broad biomedical community on the UAB campus. A candidate should be actively involved in the integration of mechanical and electronic systems, automation, sensors and actuators, control systems, embedded systems, and/or remote sensing. The expertise can also be related to electric vehicles, device-to-human integration, health systems, or remote medical diagnosis and surgery.

Required Application Documents

General MME Positions: Interested candidates should apply online at:

<https://uab.peopleadmin.com/postings/19768>

Advanced Manufacturing Positions: Interested candidates should apply online at:

<https://uab.peopleadmin.com/postings/19771>

Automation and Control Positions: Interested candidates should apply online at:

<https://uab.peopleadmin.com/postings/19773>

Application review will begin January 1, 2024 and continue until the positions are filled. Applications should include a cover letter, a CV, research and teaching statements, a diversity statement, and contact information for three to four professional references. References will not be contacted without the permission of applicants, and formal letters of reference will be requested for finalists only. Questions may be directed to Dr. Kathy Lu, Department Chair of MME and Search Committee Chair, at klu@uab.edu.

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EEO Statement

UAB is an Equal Opportunity/Affirmative Action Employer committed to fostering a diverse, equitable and family-friendly environment in which all faculty and staff can excel and achieve work/life balance irrespective of race, national origin, age, genetic or family medical history, gender, faith, gender identity and expression, or sexual orientation. UAB also encourages applications from individuals with disabilities and veterans.

Pre-employment Background Check

A pre-employment background check investigation is performed on candidates selected for employment.

Open Date: 10/01/2023

Open Until Filled: Yes

Anticipated starting date: August 15, 2024

Contact Information

Please reference Academickeys in your cover letter when applying for or inquiring about this job announcement.

Contact

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