THE UNIVERSITY OF ALABAMA IN HUNTSVILLE

Department of Mechanical and Aerospace Engineering

TENURE-TRACK FACULTY POSITIONS IN MECHANICAL AND AEROSPACE ENGINEERING

The Department of Mechanical and Aerospace Engineering at the University of Alabama in Huntsville invites applications for two tenure-track Assistant Professor positions. The department is seeking candidates that complement our current capabilities in mechanics of materials, advanced manufacturing, automation and controls, fluid dynamics and reacting flows, or aerodynamics. Candidates applying computational methods, artificial intelligence and machine learning toward research in these fields are encouraged to apply. Applicants should have an earned Ph.D. degree in Aerospace Engineering, Mechanical Engineering, Materials Science and Engineering, or a related field. We seek candidates who demonstrate the potential for scholarship supported by external funding through grants and contracts, a commitment to student success at both the undergraduate and graduate levels through teaching and mentoring, and a desire to contribute proactively to university and professional service while contributing to the breadth of the UAH academic community. Candidates with significant academic records may be considered for a position at the associate professor level.

APPOINTMENT DATE: August 2026

ABOUT THE DEPARTMENT: The Department offers BS degrees in Mechanical Engineering and in Aerospace Engineering, and an MS and Ph.D. in Mechanical Engineering and Aerospace Systems Engineering. Our faculty is comprised of 20 tenure-track/tenured members and 4 full-time non-tenure-track members. Our undergraduate student body is comprised of 744 aerospace engineering students and 661 mechanical engineering students. We have 234 graduate students in both disciplines. Our faculty's research interests include materials for aerospace applications and for energy storage, gas turbine heat transfer, electrochemical energy conversion and storage, design and control of unmanned systems, applications of smart materials, and computational fluid dynamics applied to low-speed combustion and fire applications, fluid-structure interactions, high-speed aerodynamics, and advanced manufacturing processes. In addition to its nationally known educational and research activities in rocket propulsion, the Department is engaged in a wide range of research activities currently funded by NSF, DOD, NASA, DOE, USDA, the State of Alabama, and several corporate sponsors.

ABOUT THE COLLEGE: The College of Engineering is comprised of five departments and has the largest enrollment of the university's six academic colleges. The research focus in the college includes three of several National Academy of Engineering (NAE) grand challenge problems - secure cyberspace, restore and improve urban infrastructure, and engineer tools of scientific discovery. Our strategic *Flight Plan 2032* seeks to enhance student-centered teaching and learning focused on student success, promote basic and applied research, while engaging the local and regional community through outreach and workforce development.

ABOUT THE UNIVERSITY: Founded in 1969, The University of Alabama in Huntsville is one of America's premier doctoral-granting, comprehensive universities known for addressing some of the world's most critical technological challenges. UAH, a part of the University of Alabama System, offers an environment where students are able to explore, discover, create and communicate knowledge. UAH has eight colleges, more than 100 areas of study, and 17 high-tech research centers and institutes. Located in the heart of the Technology Hub of the South, UAH serves as the anchor tenant of the

second-largest research park in the United States, Cummings Research Park. UAH boasts storied partnerships with Redstone Arsenal, NASA and the Department of Homeland Defense. The institution is a member of the Gulf South athletic conference. UAH is where technology and human understanding converge to prepare students to transform their future. Learn more at www.uah.edu.

ABOUT HUNTSVILLE: Defense, space, telecommunications, biotechnology, diversified manufacturing and a variety of emerging specialties provide challenging work in Huntsville, also known as the Rocket City. The area enjoys a favorable cost of living and quality of life in the Southeast. More than 1.2 million people reside in the Huntsville metro area, and it is now the largest city in Alabama. From outdoor recreational activities to an enhanced arts and entertainment community, Huntsville contributes to a wonderful way to live, work, and play. Learn more at www.huntsville.org.

APPLICATION PROCEDURE AND DEADLINE: Application materials (in pdf format) including a cover letter, curriculum vitae, contact information (including name, address, email address and phone numbers) for at least three references, separate statements of research plans and teaching interests. These documents should be sent via email to: maesearch@uah.edu

Please refer to log number: 26-27-283 for the position related to automation and controls, robotics, or aerodynamics.

Please refer to log number: 26-27-284 for the position related to mechanics of materials, advanced manufacturing, or fluid dynamics and reacting flows.

The University of Alabama in Huntsville is an equal opportunity employer (EOE), including an EOE of protected veterans and individuals with disabilities.