

Plasma Science Tenure Track Faculty Position in  
Mechanical and Aerospace Engineering  
University of Alabama in Huntsville

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Posted Nov. 21, 2024, set to expire Mar. 25, 2025

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|-----------------------------|-------------------------------------------------------------------------------------------------------------|
| <b>Job Title</b>            | Plasma Science Tenure Track Faculty Position in Mechanical and Aerospace Engineering                        |
| <b>Department</b>           | Mechanical and Aerospace<br><a href="http://www.uah.edu">http://www.uah.edu</a>                             |
| <b>Institution</b>          | University of Alabama in Huntsville<br>Huntsville, Alabama                                                  |
| <b>Date Posted</b>          | Nov. 21, 2024                                                                                               |
| <b>Application Deadline</b> | Open until filled                                                                                           |
| <b>Position Start Date</b>  | August 2025                                                                                                 |
| <b>Job Categories</b>       | Assistant Professor                                                                                         |
| <b>Academic Field(s)</b>    | Mechanical Engineering<br>Material/Metallurgy<br>Aerospace/Aeronautical/Astronautics<br>Engineering - Other |

**Apply By Email**

**Job Description**

### **TENURE-TRACK FACULTY POSITION IN MECHANICAL AND AEROSPACE ENGINEERING**

The Department of Mechanical and Aerospace Engineering at the University of Alabama in Huntsville invites applications for a tenure-track Assistant Professor position. The position will be in plasma science and engineering. 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

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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 2025

**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 5 full-time non-tenure-track members. Our undergraduate student body is comprised of 746 aerospace engineering students and 610 mechanical engineering students.

We have 239 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:** The University of Alabama in Huntsville is one of America's premier doctoral-granting, comprehensive universities known for addressing some of the world's greatest technological challenges.

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UAH, a part of The University of Alabama System, offers an environment where students are able to explore, discover, create, and communicate knowledge. With six academic colleges, a Graduate School, an Honors College, more than 100 areas of study, and 17 high-tech research centers, UAH is a Carnegie R1 top-tier research university. UAH is where technology and human understanding converge and prepare students to transform their future. Learn more at [www.uah.edu](http://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](http://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](mailto:maesearch@uah.edu) Please refer to log number: 25-26-277 for the position in Plasma Science and Engineering.

### EEO/AA Policy

The University of Alabama in Huntsville is an affirmative action/equal opportunity employer of minorities/females/veterans/disabled.

### Contact Information

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

**Contact** Lisa Plunkett  
Mechanical and Aerospace  
University of Alabama in Huntsville



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**Contact E-mail**    lisa.plunkett@uah.edu