

Assistant, Associate or Full Professor, Aerospace and
Mechanical Engineering
University of Arizona

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Posted Jan. 22, 2021, set to expire May 24, 2021

Job Title Assistant, Associate or Full Professor, Aerospace and Mechanical Engineering

Department Aerospace and Mechanical Engineering
<https://ame.arizona.edu>

Institution University of Arizona
Tucson, Arizona

Date Posted Jan. 22, 2021

Application Open until filled
Deadline

Position Aug. 16, 2021
Start Date

Job Assistant Professor
Categories
Associate Professor
Professor

Academic Mechanical Engineering
Field(s)
Aerospace/Aeronautical/Astronautics

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Job
Description

The Aerospace and Mechanical Engineer Department (AME) at the University of Arizona invites

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applications and nominations for a tenure -track faculty position at the Assistant, Associate, or Full Professor level in the area of Machine Learning (ML) and Artificial Intelligence (AI) with an emphasis in control systems and autonomous aerospace and mechanical systems.

The successful candidate is expected to teach courses at the graduate and undergraduate levels, contribute to mentoring students, and establish an active, externally funded and nationally/internationally recognized research program that is aligned with Grand Challenges of the University of Arizona's new strategic plan, including intelligent systems, network science, and space technologies. The leveraging of opportunities for synergy with existing research activities in the department, College and the University, as well as an experimental component to the research program, will be viewed favorably.

The Department offers excellent opportunities to collaborate with ongoing related research efforts in aerodynamics (including Hypersonics), control systems, unmanned aerial vehicles, and spacecraft GNC, micro-technology, rocket and space engineering, as well as other ongoing research efforts in astrodynamics, vibrations, CFD, computational optimization of engineering design, fluid instability, and multi-scale mechanics of materials, and robotics.

Further opportunities for collaboration on campus include the Department of Planetary Sciences, the Arizona Health Sciences Center, and the Bio5 Institute for Collaborative Bioresearch, the College of Optical Sciences and the Program in Applied Mathematics, all of which enjoy international recognition as centers for world-class academic programs and research.

Requirements:

Minimum requirements include PhD in Aerospace or Mechanical Engineering or a closely related discipline; demonstrated research potential or accomplishments; experience teaching and mentoring students; research experience; track record of peer-reviewed publications. The selected candidate will be required to provide higher education credentials during the offer discussions.

Preferred qualifications include a strong track record of peer-reviewed publications; evidence of interdisciplinary collaboration; and previous teaching experience; experience in robotic control; experience with real-time algorithm development; experience with flight dynamics; experience in experimental implementation.

Full details and application information available online at: <https://talent.arizona.edu>



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EEO/AA Policy

At the University of Arizona, we value our inclusive climate because we know that diversity in experiences and perspectives is vital to advancing innovation, critical thinking, solving complex problems, and creating an inclusive academic community. As a Hispanic-serving institution, we translate these values into action by seeking individuals who have experience and expertise working with diverse students, colleagues, and constituencies. Because we seek a workforce with a wide range of perspectives and experiences, we provide equal employment opportunities to applicants and employees without regard to race, color, religion, sex, national origin, age, disability, veteran status, sexual orientation, gender identity, or genetic information. As an Employer of National Service, we also welcome alumni of AmeriCorps, Peace Corps, and other national service programs and others who will help us advance our Inclusive Excellence initiative aimed at creating a university that values student, staff and faculty engagement in addressing issues of diversity and inclusiveness.

Contact Information

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

Contact Nancy Preble
Aerospace and Mechanical Engineering
University of Arizona
1130 N Mountain Ave
Tucson, AZ 85719

Phone Number 520-626-8741

Contact E-mail npreble@email.arizona.edu