

Professor (all ranks) in AI and ML for Aerospace,
Mechanical and Materials Discovery
Arizona State University at the Tempe Campus

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Posted Nov. 4, 2024, set to expire Mar. 3, 2025

Job Title	Professor (all ranks) in AI and ML for Aerospace, Mechanical and Materials Discovery
Department	Ira A. Fulton Schools of Engineering, School for Engineering of Matter, Transport and Energy
Institution	Arizona State University at the Tempe Campus Tempe, Arizona
Date Posted	Nov. 4, 2024
Application Deadline	Dec. 9, 2024
Position Start Date	August 2025
Job Categories	Assistant Professor Associate Professor Professor
Academic Field(s)	Mechanical Engineering Material/Metallurgy Engineering Mechanics Aerospace/Aeronautical/Astronautics Engineering - Other
Apply Online Here	https://apply.interfolio.com/157479
Apply By Email	
Job Description	

The [Ira A. Fulton Schools of Engineering](#) at [Arizona State University](#) (ASU) and the School for Engineering of Matter, Transport and Energy (SEMTE) seek applicants for a tenure-track or tenured faculty position in the area of Artificial Intelligence and Machine Learning. The School for Engineering

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of Matter, Transport and Energy (<https://semte.engineering.asu.edu/>), one of the eight Fulton Schools, houses a vibrant and dynamic engineering research community (learn more at <https://research.engineering.asu.edu/>). We seek applicants who enhance our abilities to solve engineering grand challenges as part of a community of experts. Applications are welcome from those whose interests span the broad areas of artificial intelligence and machine learning as applied to aerospace, mechanical, chemical, and materials engineering including materials discovery.

We search for applicants who will contribute to our academic programs, promote transdisciplinary teaching and research, and help the university to achieve its aspirations, including enabling student success, transforming society, valuing entrepreneurship, and conducting use-inspired research. Faculty members in the Fulton Schools are expected to develop an internationally recognized and externally funded research program, adopt effective pedagogical practices in the development and delivery of graduate and undergraduate courses, advise both undergraduate and graduate student research and projects, and undertake service activities. This is an exciting time to join SEMTE that is experiencing a surge in the growth of their research programs.

Appointment will be at assistant, associate, or full professor rank commensurate with the candidate's experience and accomplishments, beginning August 2025.

Qualifications

Required qualifications:

- Earned doctorate in Aerospace Engineering or Mechanical Engineering or a related discipline by the time of appointment
- Evidence of excellence in research, commensurate with the candidate's rank
- Evidence of excellence in teaching, commensurate with the candidate's rank

Desired qualifications:

- Demonstrated commitment to a collaborative, transdisciplinary approach to research and teaching
- Commitment to inclusive research and teaching practices

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Application Instructions:

Application deadline is **December 09, 2024**. Applications will continue to be accepted on a rolling basis for a reserve pool. Applications in the reserve pool may then be reviewed in the order in which they were received until the position is filled. To apply, visit <https://hiring.engineering.asu.edu/> and select “apply now” next to the corresponding position. Candidates will be asked to create or use an existing Interfolio Dossier to submit the following:

- Cover letter
- Curriculum Vitae
- Statement describing research interests (two pages maximum)
- Statement describing teaching interests and philosophy (two pages maximum)
- Contact information for three references

The ASU Charter states, “ASU is a comprehensive public research university, measured not by whom it excludes, but by whom it includes and how they succeed; advancing research and discovery of public value; and assuming fundamental responsibility for the economic, social, cultural and overall health of the communities it serves.” The Fulton Schools of Engineering are dedicated to cultivating excellence, delivering innovation that matters, encouraging bold thinking, fostering a community of learning and collaboration, and building a foundation for all to be successful. Applicants are encouraged to address how their past, current, and future activities align with the ASU Charter and Fulton Schools of Engineering values in their application materials.

For additional information regarding position specifics, please contact the search committee chair, Prof. Houlong Zhuang: hzhuang7@asu.edu.

Equal Employment Opportunity Statement

A background check is required for employment. Arizona State University is a VEVRAA Federal Contractor and an Equal Opportunity/Affirmative Action Employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, disability, protected veteran status, or any other basis protected by law.

See <https://www.asu.edu/aad/manuals/acd/acd401.html> and <https://www.asu.edu/titleIX/>.

In compliance with federal law, ASU prepares an annual report on campus security and fire safety



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programs and resources. ASU's Annual Security and Fire Safety Report is available online at <https://www.asu.edu/police/PDFs/ASU-Clery-Report.pdf>. You may request a hard copy of the report by contacting the ASU Police Department at 480-965-3456.

Contact Information

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

Contact