

FACULTY POSITION OPENINGS

The School of Aerospace and Mechanical Engineering (AME), at the University of Oklahoma, invites applications for four tenure-track positions at the Assistant Professor level in the general areas of:

- **Advanced Manufacturing (AM) Systems** (<https://apply.interfolio.com/68163>), with particular interest in custom manufacturing; controlling composition and internal structure of materials for multi-material additive manufacturing; multi-scale modeling and data analytics; and sensor-based manufacturing design.
- **Propulsion Systems** (<https://apply.interfolio.com/68178>), with interest in, fuel efficient and environmentally friendly aircraft engines; sustainment and modernization; new and advanced propulsion technologies for aircrafts, unmanned aerial systems and/or space exploration initiatives.
- **Space Systems and Hypersonic Vehicles** (<https://apply.interfolio.com/68181>), with interest in fundamental/applied research on design of hypersonic vehicles through the use of high performance computing (HPC) software and hardware; spacecraft design, optimization, systems engineering; design of entry, descent, landing systems, space logistics design/mission planning, guidance and control design of spacecraft; Cubesats/small satellites; collision avoidance; orbital insertion, and satellite navigation.
- **Unmanned Systems and Controls** (<https://apply.interfolio.com/68182>) with focus on novel unmanned autonomous systems for civil, defense, and commercial applications; guidance, navigation, and control systems of single or multiple unmanned vehicles operating in harsh and remote environments; and maintenance, modernization, qualification and testing of unmanned systems for extreme weather and other disruptive events.

These positions are part of a university strategic initiative in Aerospace and Defense research and education and support the college's strategic priorities of doubling research through investment in strategic research areas and growing applied research programs.

Candidate Qualifications: Applicants must have earned a Ph.D. or equivalent degree in aerospace or mechanical engineering or a related field. Successful candidates will be visionary and collegial, with evidence of the ability to establish a nationally recognized research program, teach and develop new courses at the undergraduate and graduate level, and attract external funding to support their research activities.

Department: AME currently has 27 full-time faculty members and over 700 undergraduate and 70 graduate students. Both AME and the Gallogly College of Engineering are experiencing strong growth in scholarly research, corporate and private donations, and student enrollment. The Gallogly College of Engineering and the School of Aerospace and Mechanical Engineering hold strong the values of Diversity, Equity, and Inclusion. We seek candidates who contribute to fostering an inclusive culture in all aspects of faculty responsibility, including within the classroom, the academic community, and within their professional commitments.

Review of candidates will begin on November 1, 2019, and will continue until the position is filled. The start date for the position is expected to be August 16, 2020. Candidates are requested to submit their applications using the links to the specific positions listed above. Please email amefacultysearch@ou.edu with any questions about the position.

The University of Oklahoma: OU is a Carnegie-R1 comprehensive public research university known for excellence in teaching, research, and community engagement, serving the educational, cultural, economic and health-care needs of the state, region, and nation from three campuses: the main campus in Norman, the Health Sciences Center in Oklahoma City, and the Schusterman Center in Tulsa. OU enrolls over 30,000 students and has more than 2,700 full-time faculty members. Norman is a culturally rich and vibrant town located in the Oklahoma City metro area. With outstanding schools, amenities, and a low cost of living, Norman is a perennial contender on the “Best Places to Live” rankings. Visit soonerway.ou.edu for more information.

The University of Oklahoma, in compliance with all applicable federal and state laws and regulations does not discriminate on the basis of race, color, national origin, sex, sexual orientation, genetic information, gender identity, gender expression, age, religion, disability, political beliefs, or status as a veteran in any of its policies, practices, or procedures. This includes, but is not limited to: admissions, employment, financial aid, housing, services in educational programs or activities, or health care services that the University operates or provides.