

Associate or Assistant Professor
Utah State University

Direct Link: <https://www.AcademicKeys.com/r?job=231067>

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Posted Feb. 21, 2024, set to expire Jun. 19, 2024

Job Title Associate or Assistant Professor
Department Mechanical & Aerospace Engineering
Institution Utah State University
Logan, Utah

Date Posted Feb. 21, 2024

Application Deadline Open until filled
Position Start Date August 2024

Job Categories Associate Professor
Assistant Professor

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

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Job Description

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Associate or Assistant Professor

Requisition ID: 2023-7030

of Openings: 1

Location: US-UT-Logan

Category: Faculty

Position Type: Benefited Full-Time

Job Classification:

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Faculty

College: College of Engineering

Department: Mechanical & Aerospace Engineering

Advertised Salary: Commensurate with Experience, plus excellent benefits

Overview

The Department of Mechanical and Aerospace Engineering (<http://www.mae.usu.edu/>) at Utah State University (USU) invites applications for one tenure-track faculty position. Applicants must have a Ph.D. in Mechanical or Aerospace Engineering, or closely related fields. Candidates will be considered at either the assistant or associate professor level. The positions are tenure-track academic year (funded for 9-months) appointments with an anticipated start date of August 2024.

Candidates are sought with demonstrated expertise in general areas of astrodynamics, rendezvous and proximity operations, space domain awareness, small satellites, space mission and trajectory design, and spacecraft dynamics, guidance, and navigation.

Responsibilities

In addition to a clear research focus, successful applicants will also have a strong background in engineering fundamentals and will be expected at a minimum to:

- Develop a significant externally funded research program that includes a strong record of peer-reviewed publications and graduate mentorship.
- Effectively teach undergraduate and graduate courses.
- Actively participate in assigned department and university duties, and demonstrate leadership in relevant technical societies.

Qualifications

Minimum Qualifications:

Assistant Professor:

- Ph.D. degree in Mechanical or Aerospace Engineering, or closely related fields.
- A strong background in engineering fundamentals.
- Evidence of emerging research streams with potential for extramural support and publication.

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Associate Professor:

- Ph.D. degree in Mechanical or Aerospace Engineering, or closely related fields.
- A strong background in engineering fundamentals.
- Evidence of established research streams with potential for extramural support and publication.

Preferred Qualifications:

Assistant Professor:

- Demonstrated expertise in astrodynamics, rendezvous and proximity operations, space domain awareness, small satellites, space mission and trajectory design, and spacecraft dynamics, guidance, and navigation.

Associate Professor:

- Demonstrated Excellence and Recognition in astrodynamics, rendezvous and proximity operations, space domain awareness, small satellites, space mission and trajectory design, and spacecraft dynamics, guidance, and navigation.
- Evidence of effective teaching and funded research experiences in the above areas.

Required Documents

Along with the online application, please attach:

- 1) Resume/CV
- 2) Cover Letter
- 3) Letters of Recommendation
- 4) Teaching Philosophy

Please upload #2-4 under the section labeled "Other Documents 1-10"

****Document size may not exceed 10 MB.****

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ADA

Employees typically work indoors and are protected from weather and/or contaminants, but not, necessarily, occasional temperature changes.

University Highlights

The MAE department has experienced significant growth over the past decade, with enrollments of approximately 800 undergraduate and 100 graduate students, and is the largest department in the College of Engineering. The department offers MS and PhD degrees in both Mechanical Engineering and Aerospace Engineering. The department currently has 18 tenured/tenure-track faculty members and 5 professors of practice, with additional part-time instructors from local industry and research institutions. Faculty research areas include fluid dynamics, combustion and propulsion, flight mechanics, space dynamics, advanced materials, controls, and systems engineering with research expenditures in recent years about \$3M. Successful applicants may have opportunities to work closely with scientists and engineers from the USU Research Foundation Space Dynamics Laboratory (SDL), one of 14 Department of Defense University Affiliated Research Centers (UARC). Further, USU faculty also have access to the University of Utah Center for High Performance Computing (CHPC) facilities and the Utah Water Lab. USU is the nearest PhD-granting institution in Mechanical or Aerospace Engineering to the Idaho National Laboratory, and is also in close proximity to Hill Air Force Base and other defense related organizations.

Founded in 1888, Utah State University is Utah's premier land-grant, public service university, with a strong commitment to excellence, access, and inclusion, empowering people to lead successful lives of involvement, innovation, and impact. Utah State provides high-quality education to 27,500-plus students [locations throughout the state](#), including at three residential campuses, eight statewide campuses, and 23 education centers. USU Online educates students from all 50 states and 55 countries. For over 25 years, USU Extension has served and engaged Utahns in all of Utah's counties. As an R1 research institution, Utah State is dedicated to advancing knowledge through research and scholarly activities, providing a high-quality undergraduate and graduate education at an affordable price.

Utah State is committed to cultivating a community of [inclusive excellence](#) where all perspectives, values, cultures, and identities are acknowledged, welcomed, and valued. We seek to recruit, hire, and retain people from all walks of life who will champion excellence in education, research, discovery,

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outreach, and service. We believe that promoting a strong sense of community and belonging empowers and engages all members of USU to thrive and be successful. Forbes recognized our commitment to employees when they named [Utah State the best employer in Utah](#) in 2023. [Learn more](#) about USU.

The university provides a [Dual Career Assistance Program](#) to support careers for partners who are also seeking employment. Additionally, USU is committed to providing access and reasonable accommodations for individuals with disabilities. To request a reasonable accommodation for a disability, contact the university's ADA Coordinator in the Office of Human Resources at (435) 797-0122 or hr@usu.edu.

About the Region

U.S. News and World Report [ranked Utah first](#) for its strong economy, fiscal stability, education, and health care. Outstanding outdoor recreational opportunities abound throughout the state, including five national parks, 43 state parks and recreation areas, and 15 alpine ski resorts. The home of USU's main campus, [Logan](#), is a city of 54,000-plus people in a picturesque mountain valley 80 miles north of Salt Lake City. The Logan metro area [claimed the top spot](#) in the Milken Institutes 2022 ranking for best-performing small cities in the nation.

*updated 04/2024

To apply, visit https://careers-usu.icims.com/jobs/7030/associate-or-assistant-professor/job?in_iframe=1

Notice of Non-discrimination

In its programs and activities, including in admissions and employment, Utah State University does not discriminate or tolerate discrimination, including harassment, based on race, color, religion, sex, national origin, age, genetic information, sexual orientation, gender identity or expression, disability, status as a protected veteran, or any other status protected by University policy, Title IX, or any other federal, state, or local law.

The following individuals have been designated to handle inquiries regarding the application of Title IX and its implementing regulations and/or USU's non-discrimination policies:

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Executive Director of the Office of Equity Matthew Pinner, discrimination@usu.edu, Distance Education Rm. 401, 435-797-1266

Title IX Coordinator Matthew Pinner, titleix@usu.edu, Distance Education Rm. 404, 435-797-1266

Mailing address: 5100 Old Main Hill, Logan, Ut 84322

*For further information regarding non-discrimination, please visit <https://equity.usu.edu/>, or contact:
U.S. Department of Education, Office of Assistant Secretary for Civil Rights, 800-421-3481,
OCR@ed.gov*

U.S. Department of Education, Denver Regional Office, 303-844-5695, OCR.Denver@ed.gov

Contact Information

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

Contact

Mechanical & Aerospace Engineering
Utah State University

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