



The Department of Mechanical Engineering at the University of Utah (<https://mech.utah.edu/>) invites applications for tenure track positions at the assistant or associate rank with a Fall Semester 2019 starting date. Candidates with exceptional background and experience may be considered at a higher rank.

Candidates with interest and expertise in the areas of **i) biomedical applications of mechanical engineering and ii) computational methods in mechanical engineering** are strongly encouraged to apply. Candidates should be qualified to teach courses in the core curriculum of a mechanical engineering program, including existing courses and/or developing new courses that support the graduate program. Candidates are expected to develop and maintain an active, externally funded research program that complements existing research programs. Collaborations in the Department, College of Engineering, School of Medicine, and elsewhere across campus are highly encouraged. Rank and salary will be commensurate with qualifications and experience. Applicants are expected to have an earned Ph.D. or Sc.D. in Mechanical Engineering or a closely related field prior to start date.

The Department of Mechanical Engineering currently has 38 tenure-line faculty members, over 1000 undergraduate and 250 graduate students. With funding from the state's Engineering Initiative, the Department expects to hire up to seven additional faculty members over the next three years. The University of Utah is a tier 1 research institution that has ranked in the top 5 nationally for start-up companies in the last 5 years.

The University of Utah campus is situated in Salt Lake City, a diverse, cosmopolitan city with a population of 1M nestled against the backdrop of the beautiful Wasatch Mountains. Salt Lake City residents have unparalleled access to national parks (8 within a few hours drive), skiing/snowboarding (7 resorts within 1 hour), hiking, fishing, biking, rafting/kayaking, NBA basketball, MLS soccer, PAC-12 sports, and numerous cultural events including opera, dance, symphony, theater, and outdoor concerts, amongst others. In addition, faculty members enjoy the convenience of an international airport located only 15 minutes from campus.

**Review of applications will begin on December 3, 2018 and continue until positions are filled.** Applications must be submitted electronically and should include a cover letter highlighting the applicant's qualifications, current curriculum vitae, statements of research and teaching interests and teaching philosophy, and contact information for a minimum of three references. All documents must be uploaded at the specified link below the job description as listed on the reverse side of this flyer. Please check the complete position announcements at <http://mech.utah.edu/department/open-positions/>. For application submission questions, please contact Deb Williams ([Deb.Williams@mech.utah.edu](mailto:Deb.Williams@mech.utah.edu)) at the Department of Mechanical Engineering, 1495 East 100 South, Salt Lake City, UT 84112.

*The University of Utah is an Equal Opportunity/Affirmative Action employer and educator. Minorities, women, veterans, and persons with disabilities are strongly encouraged to apply. Veterans' preference is extended to qualified veterans. Reasonable disability accommodations will be provided with reasonable notice. For additional information about the University's commitment to equal opportunity and access see: <http://www.utah.edu/nondiscrimination/>.*

**(Position descriptions on back)**

## POSITION DESCRIPTIONS 2019 FACULTY SEARCH

### **Biomedical Applications of Mechanical Engineering**

Applications are invited for an open-rank, tenure-track appointment from candidates with research interests in biomedical engineering, including both basic and translational research. Example areas of interest include (in alphabetical order): advanced manufacturing for healthcare applications, biofluid dynamics, bioheat transfer, biomedical materials, healthcare robotics, human factors, human-machine interaction/collaboration, medical-device design, micro/nano engineering applied to biomedical applications, neuromechanics, rehabilitation and assistive devices, and soft-tissue/cellular mechanics. Ideal candidates will show the potential for collaboration with one or more of the University of Utah's School of Medicine, Primary Children's Hospital, Huntsman Cancer Institute, Scientific Computing and Imaging (SCI) Institute, Rocky Mountain Center for Occupational and Environmental Health, and Veterans Administration (VA) of Salt Lake City.

**Apply for the Assistant/Associate/Professor Biomedical Applications position using this link:**

<http://utah.peopleadmin.com/postings/82228>

### **Computational Methods in Mechanical Engineering**

Applications are invited for an open-rank, tenure-track appointment from candidates with research interests in computational methods applied to complex dynamical systems, manufacturing processes, solid mechanics, and/or thermal-fluid-energy systems. The ideal candidate would have expertise in developing and implementing computational methods to model complex physical phenomena that complements existing programs within the department and College of Engineering. Specific application areas could include, but are not limited to: bio-transport, composites, constitutive modeling, damage and fracture mechanics, design-space exploration, energy storage, environmental fluid dynamics, fluid-structure interactions, micro- and nanoscale engineering, soft-material engineering, and sustainable engineering.

**Apply for the Assistant/Associate/Professor Computational Methods position using this link:**

<http://utah.peopleadmin.com/postings/82203>