



## ASSISTANT PROFESSOR OR ASSOCIATE PROFESSOR OF MECHANICAL ENGINEERING: BIOMEDICAL ENGINEERING

The Department of Mechanical Engineering at Colorado State University invites applications for a tenure/tenure-track faculty position(s) at the level of an assistant professor or associate professor. Candidates with research and teaching expertise in all areas of biomedical engineering and related mechanical engineering areas will be considered, particularly those with the following interests that synergistically strengthen current departmental research and teaching activities.

- Regenerative medicine and tissue engineering (see Translational Medicine Institute below)
- Neural engineering
- Biofluid/microfluidics
- Biosolid mechanics
- Biomaterials and biofabrication
- Biosensors/bioMEMs

This faculty position will be a full-time nine-month appointment starting for Fall semester 2018. Successful candidates will be expected to build and maintain a strong, internationally recognized research program supported through external funding, to enhance the Department's educational programs, and to provide service to the University and broader community. Successful candidates will be expected to teach courses in our mechanical and biomedical engineering curricula at the undergraduate and graduate levels, advise undergraduate and graduate students, and develop advanced courses in his or her areas of expertise.

A Ph.D. or equivalent in mechanical or biomedical engineering or a closely related field is required. Candidates should demonstrate great promise for extraordinary scholarship, and preferably have post-doctoral experience in an academic, government, or industrial setting. Candidates must exhibit ability and enthusiasm to teach courses in the Department's undergraduate and graduate curriculum and demonstrate a personal and professional commitment to diversity.

Applications and nominations will be considered until the position(s) are filled; however, applications should be received by October 29, 2017 at 11:59pm to ensure full consideration. Applicants should submit their application, including a cover letter clearly indicating how their research fits into the department, a curriculum vitae, two-page statement of research interests, one-page statement of teaching interests, and names and contact information for at least three professional references. References will not be contacted without prior notification to candidates. Please apply at <http://jobs.colostate.edu/postings/49575>.

Questions can be addressed to:

**Dr. Christian Puttlitz**  
**Chair, Biomedical Faculty Search Committee**  
**Department of Mechanical Engineering**  
**Colorado State University**  
**Fort Collins, CO 80523-1374**  
**Christian.Puttlitz@colostate.edu**

### **Mechanical Engineering @ CSU**

The Department of Mechanical Engineering (ME) at Colorado State University offers a curriculum that integrates exceptional classroom learning and in-depth engineering practice for an unparalleled educational experience. Made up of 38 faculty members, 8 staff members, 1200 undergraduate students, and 150 graduate students, mechanical engineering is one of the largest departments on CSU's campus. State-of-the-art labs provide unmatched, hands-on experience to help undergraduate students conceptualize industry environments; and, \$7.5M in annual research funding, provides groundbreaking opportunities focusing on health, materials, and energy, for graduate students to enhance their educational concentrations. Award-winning faculty offer industry and academic perspective, equipping each graduate with the tools needed to obtain leading positions in advanced technology fields.

Further information about the Department can be found at [www.engr.colostate.edu/me/](http://www.engr.colostate.edu/me/).

### **Biomedical Engineering @ CSU**

The School of Biomedical Engineering (SBME) at Colorado State University integrates strengths in engineering, veterinary and human medicine, and the sciences to transcend typical boundaries, enhance learning, provide breadth and depth to bioengineering education and research (<http://www.engr.colostate.edu/sbme/>). SBME is an interdisciplinary organization spanning multiple departments and colleges that serves as a nexus for biomedical engineering research and education at CSU. All SBME faculty have their primary faculty appointment and tenure in a home department (e.g., mechanical engineering) and contribute to SBME by teaching SBME courses, advising SBME graduate students, and sitting on SBME committees. It is anticipated that the successful candidate would become a SBME core faculty member. SBME is located in the relatively new Scott Bioengineering Building, an innovative \$75M, 122,000 square-foot building, built to LEED Gold standards, that contains classroom and high-tech research space as well as teaching labs, design studios, and study spaces.

### **Translational Medicine Institute @ CSU**

The Translational Medicine Institute (TMI) is operated under the university (CSU). The Institute provides a safe, secure, 130,000 square foot state of art facility for university investigators, government scientists and This facility will have capabilities to engage in experimental surgical procedures, minimally invasive teaching hands on learning, didactic lectures up to 300 people as well as complete wet laboratory facilities including cGMP space, food service, and administrative space for entrepreneurial development. TMI's vision is to innovate medical discovery paradigms and solutions leveraging nature's healing capacity and their mission is to create novel biologic therapies and learning opportunities uniquely focused on improving the lives of both animals and humans by fostering diverse collaborations of leading scientific minds in a state of the art facility that encourages entrepreneurial models that optimizes the innovation timeline.

Located 60 miles north of Denver, at the base of the Rocky Mountain foothills, Fort Collins is often ranked among the top places to live in the United States. The City offers a pleasant climate with excellent schools and abundant cultural and recreational opportunities nearby. More information on Fort Collins is available at [www.ftcollins.com](http://www.ftcollins.com).

**Condition for Employment:**

Colorado State University (CSU) strives to provide a safe study, work, and living environment for its faculty, staff, volunteers and students. To support this environment and comply with applicable laws and regulations, CSU conducts background checks. The type of background check conducted varies by position and can include, but is not limited to, criminal (felony and misdemeanor) history, sex offender registry, motor vehicle history, financial history, and/or education verification. Background checks will be conducted when required by law or contract and when, in the discretion of the university, it is reasonable and prudent to do so.

**Commitment to Diversity and Inclusion:**

Reflecting departmental and institutional values, candidates are expected to have the ability to advance the Department's commitment to diversity and inclusion.

Colorado State University is committed to providing an environment that is free from discrimination and harassment based on race, age, creed, color, religion, national origin or ancestry, sex, gender, disability, veteran status, genetic information, sexual orientation, gender identity or expression, or pregnancy. Colorado State University is an equal opportunity/equal access/affirmative action employer fully committed to achieving a diverse workforce and complies with all Federal and Colorado State laws, regulations, and executive orders regarding non-discrimination and affirmative action. The Office of Equal Opportunity is located in 101 Student Services.