Tenure Track Faculty Position
Colorado State University, Department of Mechanical Engineering
In collaboration with the School of Advanced Materials Discovery

The Department of Mechanical Engineering at Colorado State University is seeking a tenure/tenure-track faculty position at the level of an assistant or associate professor. This faculty member will have research and teaching expertise in materials science and engineering and related mechanical engineering areas, particularly in the areas that synergistically strengthen current research and teaching activities. Biomaterials research areas that are complementary with current research are of particular interest. Materials science research areas that will also be considered include the synthesis, processing, testing and characterization of metals, alloys, ceramics, smart materials, and advanced composite materials as well as advanced manufacturing methodologies applied to these materials.

This faculty member will be a full-time nine-month appointment. The individual 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.

A successful faculty member is expected to teach courses in our mechanical, materials and biomedical engineering curricula at the undergraduate and graduate levels, advise undergraduate and graduate students, and develop advanced courses in their area of expertise. A successful individual is expected to make contributions to the School of Advanced Materials Discovery (https://www.research.colostate.edu/samd/), and the School of Biomedical Engineering (https://www.engr.colostate.edu/sbme/).

Required Job Qualifications

- PhD degree in mechanical engineering, materials science and engineering, or a closely related field.
- Successful faculty member must demonstrate impactful scholarship, and the potential to build a robust extramurally funded research program.
- The faculty member must exhibit ability and enthusiasm to teach courses in the ME Department and SAMD’s curricula and demonstrate a personal and professional commitment to diversity.

Preferred Job Qualifications

Candidates will be considered at the Assistant or Associate Professor level depending on qualifications.

- Experience beyond doctoral training in an academic, government, or industrial setting.
- Evidence of a record of high-quality research commensurate with experience.
- Evidence of teaching effectiveness.
- Experience teaching courses in Mechanical Engineering and Materials Science and Engineering.

This position will remain open until it is filled, however for full consideration please apply by 11:59pm US MT on 12/31/19. Interested applicants must submit a cover letter which addresses how professional experiences align with the required and preferred qualifications of the position, a current curriculum vitae, a one to two-page statement on research interests and a one page statement on teaching interests (uploaded to the appropriate slot in the required documents section), the names, email addresses, and telephone numbers of three (3) professional references (within the application). References will not be contacted without prior notification of candidates. Please apply at http://jobs.colostate.edu/postings/71933.

For questions regarding this search, please contact:
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As one of the nation’s top public research universities, Colorado State University is a land-grant institution, with enrollment of more than 33,000 students. CSU offers 76 undergraduate degree programs, 114 graduate degree programs, 21 professional master’s degree programs, and a Professional Veterinary Medicine program. CSU’s world-class research and scholarship attract more than $370 million in research funding every year, ranking second nationally in federal research funding for universities without a medical school. Fort Collins is an attractive community of approximately 170,000 located along the Colorado Front Range at the base of the Rocky Mountains, 65 miles north of Denver. The city is routinely recognized as one of the most desirable places to live in the United States. It consistently ranks high on quality of life measures by numerous publications; see https://www.fcgov.com/visitor/awards for the complete list.

The Front Range has developed into a high-tech hub with companies such as Woodward, Hewlett-Packard Enterprise, IBM, Intel, Keysight Technologies, Broadcom, AMD, Xilinx, Ball Aerospace, Lockheed Martin, Raytheon, and Northrop Grumman located in or near Fort Collins. The city offers a pleasant climate with excellent schools and abundant cultural and recreational opportunities nearby. For more information on Fort Collins, check out the City’s website: www.visitfcollins.com.

The Department of Mechanical Engineering (ME) at Colorado State University (CSU) offers a curriculum that integrates exceptional classroom learning and in-depth engineering practice for an un paralleled educational experience. Made up of 34 faculty members, 8 staff members, 1,000 undergraduate students, and 125 graduate students, ME 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 provide groundbreaking opportunities focusing on health, materials, and energy, for graduate students to enhance their educational concentrations. Award-winning faculty offer industry and academic perspective and equip each graduate with the tools needed to obtain leading positions in advanced technology fields. The Mechanical Engineering program at CSU includes majors in both Mechanical Engineering and Biomedical Engineering-Mechanical Engineering; both curriculum combine classroom learning with engineering practice. Our goal is to give our graduates the engineering skills they need to obtain leading positions in advanced technology fields. Our students are integral members of our research groups and their thesis and dissertation topics focus on cutting-edge research. Further information about the Department can be found at www.engr.colostate.edu/me/.

The Department of Mechanical Engineering (ME) collaborates with the School of Advanced Materials Discovery (SAMD) at CSU (https://www.research.colostate.edu/samd/), which grants graduate degrees (ME, MS and PhD) in materials science and engineering (MSE). SAMD is an interdisciplinary organization spanning multiple departments and colleges that serves as a nexus for materials science and engineering research and education at CSU. All SAMD faculty have their primary faculty appointment and tenure in a home department (e.g., mechanical engineering) and contribute to SAMD by teaching SAMD courses, advising SAMD graduate students, and sitting on SAMD committees. It is anticipated that the successful candidate who does research at the nexus of ME and MSE would become a SAMD permanent faculty member. Two other ME faculty members are already permanent SAMD faculty.

**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:**
Candidates are expected to have the ability to advance the department’s commitment to diversity and inclusion through research, teaching and outreach with relevant programs, goals and activities. 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 and will not discharge or in any other manner discriminate against employees or applicants because they have inquired about, discussed, or disclosed their own pay or the pay of another employee or applicant. 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 nondiscrimination and affirmative action. The Office of Equal Opportunity is located in 101 Student Services.