



**ASSISTANT PROFESSOR OF MECHANICAL ENGINEERING
COMPUTATIONAL MODELING
COLLEGE OF ENGINEERING**

The Department of Mechanical Engineering at Colorado State University invites applications for a tenure-track faculty position at the level of assistant professor. This position requires candidates with research and teaching expertise in computational modeling and simulation of energy systems or advanced materials. Candidates are sought with interests that complement and expand upon current departmental research and teaching activities. The successful candidate will utilize computational models to simulate physical processes with emphasis on applying the models to engineering systems of interest in the energy or materials area. Applications in energy include energy production and conversion devices and systems, combustion and plasmas, propulsion and aerospace, and emissions and environmental impacts. Applications in advanced materials include manufacturing, materials for energy conversion, energy storage and fuel production, and composite materials. Biomedical engineering applications will not be considered.

This faculty position is a full-time, nine-month appointment. Successful candidates are 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 engineering curriculum at the undergraduate, M.S. and Ph.D. levels, advise undergraduate and graduate students, and develop advanced courses in his or her areas of expertise. Further information about the Department can be found at www.engr.colostate.edu/me/.

A completed Ph.D. or equivalent in mechanical engineering or a closely related field by May 2014 is required. Successful candidates should have experience in grant writing and demonstrated ability to secure external funding for research and scholarly activities. Candidates must exhibit ability and enthusiasm to teach courses in the Department's undergraduate and graduate curriculum, as demonstrated by some type of teaching experience in a higher education setting. Candidates should demonstrate great promise for extraordinary scholarship, and preferably have post-doctoral experience in an academic, government, or industrial setting. Preference will be given to candidates whose research interests have a collaborative emphasis with others in the department and across the University.

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

Applications and nominations will be accepted until the position is filled; however, applications should be received by January 17, 2014 to ensure full consideration. Applicants should submit a cover letter clearly indicating how their computational modeling research fits into the department, curriculum vitae, maximum one page statement of teaching interests, up to three page statement of research interests, and names and contact information for at least three professional references. References will not be contacted without prior notification to candidates. Please email this material in one PDF document to:

**Professor Azer Yalin
Chair, Faculty Search Committee
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Colorado State University
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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.

Colorado State University does not discriminate on the basis of race, age, color, religion, national origin or ancestry, sex, gender, disability, veteran status, genetic information, sexual orientation, or gender identity or expression. 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.

Colorado State University is committed to providing a safe and productive learning and living community. To achieve that goal, we conduct background investigations for all final candidates being considered for employment. Background checks may include, but are not limited to, criminal history, national sex offender search and motor vehicle history.