



### **Assistant Professor-Mechanical Engineering (Position# 11058)**

The Department of Mechanical Engineering at the University of Colorado Denver (CU Denver) invites applications for a tenure-track assistant professor position. Applications from candidates in mechanical engineering and related fields will be considered. Individuals with a proven track record in research areas including controls, systems engineering, mechatronics, autonomous systems, solid mechanics and/or experimental fluids-thermal research are encouraged to apply.

CU Denver is Colorado's number one research funded university, offering comprehensive programs for undergraduate, graduate and health sciences students on two campuses—downtown Denver and the Anschutz Medical Campus in Aurora. The researchers and award-winning faculty of CU Denver offer more than 140 degree programs through 13 colleges and schools. The combined CU Denver and Anschutz Medical Campuses receive more than \$440 million in research grants and contracts each year. The Anschutz Medical Campus includes more than 5 million square feet of research, educational and clinical space on 227 acres. The Denver campus is located in the heart of the Denver's commercial, cultural and recreational districts. It is one of America's most vibrant urban centers, just steps from the Denver Center for Performing Arts, the LoDo District and the state capitol.

Students, staff and faculty have access to a broad array of academic, professional, community, recreational and cultural opportunities on both campuses. CU Denver attracts a diverse population of students, many of whom are non-traditional and underrepresented. This diversity is enriched by our commitment to a philosophy of inclusion, embedded in all aspects of campus life from its community members, curriculum, research and community service, allowing for the creation of a learning environment that welcomes, embraces, sustains and celebrates the unique and shared experiences of faculty, staff and students.

The Department of Mechanical Engineering is located on the Denver campus and offers an ABET accredited Bachelor of Science degree in Mechanical Engineering, Master of Science and Master of Engineering degrees in Mechanical Engineering, and an interdisciplinary PhD program. The College of Engineering and Applied Science also has PhD programs in Bioengineering, Electrical Engineering, Civil Engineering, and Computer Science.

**Job Responsibilities:** The candidate will be expected develop an externally funded research program while publishing in peer-reviewed science and engineering journals. The candidate will also be expected to develop and teach lecture and laboratory courses at all levels of Mechanical Engineering and advise student research.

**Required Qualifications:** The candidate must have a PhD in Mechanical Engineering or a related field and have demonstrated expertise in Mechanical Engineering as evidenced by the candidate's publication and funding record.

**Salary and Benefits:** Salary is commensurate with skills and experience. The University of Colorado offers a full benefits package. Information on University benefits programs, including eligibility, is located at [www.cu.edu/pbs/](http://www.cu.edu/pbs/).

### **Apply**

Applications are accepted electronically at [www.cu.edu/cu-careers](http://www.cu.edu/cu-careers). Refer to job posting 11058.

Review of applications will begin November 31, 2017, and will continue until the position is filled. The position is expected to begin August 2018.

### **Required Application Materials:**

When applying, applicants must include:

1. A letter of application which specifically addresses the job requirements and outlines qualifications, including how you envision collaborating within the department and University.
2. A current CV/resume. Please include a clear listing of the number of peer reviewed journal articles and number of grants.
3. The names, addresses, daytime telephone numbers and e-mail addresses for three professional references.
4. A one-page statement of teaching philosophy.
5. A one-page research plan.

### **Contact**

Questions regarding the open position should be directed to [me.search@ucdenver.edu](mailto:me.search@ucdenver.edu).

General questions regarding the mechanical engineering department should be directed to [mechanical@ucdenver.edu](mailto:mechanical@ucdenver.edu).

Information about the College of Engineering and Applied Science is at:  
[www.engineering.ucdenver.edu](http://www.engineering.ucdenver.edu).

The following language must be included in external postings but not required for the Jobs at CU posting.

### **Background Check**

*The University of Colorado Denver is dedicated to ensuring a safe and secure environment for our faculty, staff, students and visitors. To assist in achieving that goal, we conduct background investigations for all prospective employees prior to their employment. **The University of Colorado is committed to diversity and equality in education and employment.***

## **About CU Denver Engineering**

The University of Colorado Denver | Anschutz Medical Campus provides a diverse body of students with opportunities to enhance their lives, careers and research. Today, the university offers more than 140 programs in 13 schools and colleges at the undergraduate, graduate, doctoral and professional health levels.

Educating more than 14,000 students on our comprehensive campus in downtown Denver and more than 4,000 students in our research and advanced health care programs at the Anschutz Medical Campus, the University of Colorado Denver is one of the nation's top public urban research universities. As a single institution, faculty in the College of Engineering and Applied Science can collaborate with CU School of Medicine faculty without the need for sub-award or inter-institutional agreements. [Click here for some quick facts about CU Denver](#)

The College of Engineering and Applied Science (CEAS) is home to five departments, including Bioengineering, Civil Engineering, Computer Science and Engineering, Electrical Engineering and Mechanical Engineering. Over the past few years, faculty in CEAS have earned grant awards from the National Science Foundation (NSF), including three CAREER awards, the National Institutes of Health (NIH), including R01 and R21 awards, the State of Colorado, the Colorado Department of Transportation (CDOT), the National Institute of Standards and Technology (NIST), the Veterans Association (VA), the Office of Naval Research (ONR), General Motors and more!

The Department of Mechanical Engineering has an ABET accredited Bachelor of Science (BS) degree program along with a Master of Science (MS), Master of Engineering (ME), and Engineering and Applied Science PhD (EAS-PHD) program ([click here for program info](#)). Recently, the department has introduced a Biomechanics-focused MS track as well as Motorsports ME track. The mechanical engineering department at CU Denver has recently placed 1st overall in the nation, in back to back years, when competing in the Shell Eco-marathon Americas competition. The department graduates approximately 60 students in mechanical engineering every year from the BS program.

CU Denver is located in close proximity to several national research labs, public institutions, and government entities including, the National Renewable Energy Lab (NREL), the NIST, the VA, the National Oceanic and Atmospheric Administration (NOAA), National Center for Atmospheric Research (NCAR), the University of Colorado at Boulder, Colorado State University, Colorado School of Mines, University of Denver, the Air Force Academy, and the University of Wyoming.

## **About Denver**

Denver is a vibrant urban center with a metro-population of 2.8 million. Denver is well known for its mile-high altitude and more than 300 days of sunshine per year. Located near the base of the Rocky Mountains, Denver residents are just 1-2 hours away from world-class skiing, climbing, biking and hiking. As a result, Colorado is ranked as one of the healthiest states.

Denver has an excellent public transportation system run by RTD. CU Denver has two lighttrail stops at CU Denver and one lighttrail stop at the Anschutz Medical Campus. Both campuses are conveniently located near bus service, including transportation to Denver International Airport. CU Denver also connects to the Cherry Creek bike path, allowing students, faculty and staff to easily bike to work.

Denver has four major league sports teams including the Denver Broncos, Colorado Rockies, Denver Nuggets, and Colorado Avalanche. Sports Authority Field at Mile High, the Pepsi Center and Coors Field are all within walking distance from CU Denver.

Denver is also rich in culture with the Denver Center for the Performing Arts, Denver Art Museum, Denver Museum of Nature and Science, Sante Fe Arts District, Ellie Caulkins Opera House, Colorado Convention Center, and 16th Street Mall. Award-winning restaurants and craft breweries are spread throughout the many unique and vibrant Denver neighborhoods.

There is a diverse demographic in Denver. Approximately 18% of the population is Hispanic or Latino, 5% African American, and 3% Asian.