



COLORADO SCHOOL OF MINES
EARTH ENERGY ENVIRONMENT

Department of Metallurgical and Materials Engineering Two Tenure Track Faculty Positions

The George S. Ansell Department of Metallurgical and Materials Engineering at the Colorado School of Mines (Mines) invites applications for two tenured or tenure-track faculty **at the assistant, associate, or full professor level. We seek candidates in the areas of physical metallurgy, mechanical metallurgy, and/or corrosion/electrochemistry with a focus on metals and alloys.**

The MME faculty work collaboratively, and successful candidates are expected to interact with multiple researchers in the department and across the Mines campus. The MME department has strengths in multiple areas including non-ferrous alloys, ferrous alloys, joining and additive manufacturing, advanced ceramics, extractive metallurgy and mineral processing and materials for the energy transition. The department is home of several research centers/consortia including the Center for Advanced Non-Ferrous Structural Alloys (CANFSA), the Advanced Steel Products and Processing Research Center (ASPPRC), the Center for Joining, Welding and Coatings Research (CWJCR), and the Colorado Center for Advanced Ceramics (CCAC) and faculty are affiliated with these and other centers across campus. MME faculty collaborate extensively with the National Renewable Energy Laboratory, located minutes from Mines, as well as several other regional federal laboratories involved in materials research and development.

Applications will be accepted until the position is filled with priority given to submissions received by October 15, 2023. For further information, please contact the search chair, Dr. Michael Kaufman, at mkaufman@mines.edu.

Responsibilities

- Develop a strong, visible, and externally funded research program that leads to high-quality scholarly publications.
- Develop and deliver high-quality instruction to undergraduate and graduate students in Metallurgical and Materials Engineering.
- Supervise and mentor graduate and undergraduate students.
- Cultivate and promote an inclusive and diverse Mines community through recruiting, mentoring, and service.
- Contribute to the Department, University, and professional communities through active professional service.

Minimum Qualifications

- Ph.D. in Metallurgical and Materials Engineering or a closely related discipline from an accredited program by the time the appointment begins.
- Evidence of scholarly activity and potential for research excellence in the field of physical metallurgy, mechanical metallurgy, and/or corrosion/electrochemistry with a focus on metals and alloys.
- Commitment to excellence in teaching, course development, and student mentoring in Metallurgical and Materials Engineering at the undergraduate and graduate levels.
- Commitment to implement best practices in diversity, inclusion, and accessibility to create research and learning environments where all can succeed.

- Assistant Professor candidates must demonstrate the potential for excellence in teaching, scholarship, and service.
- Associate and Full Professor candidates must have an established history of conducting research and a solid publication record with clear potential for establishing a sustainable funded research program, successful teaching, and service. In addition, Full Professor candidates should have an established international reputation.

About Mines and the Department

Colorado School of Mines, Colorado's oldest public university and premiere engineering university, is located in Golden, Colorado: a historic gold rush-era town nestled in the foothills of the Rockies, 13 miles west of Denver and 21 miles south of Boulder. Mines is consistently ranked among the top engineering colleges in the United States and ranks number one as the best public school in the state for best value colleges. Mines has about 5,600 undergraduate students and 1,600 graduate students in a broad range of applied science and engineering disciplines. Mines maintains a high-quality, well-funded research program (~\$88M in awards in 2023) with strong participation from both graduate and undergraduate students. The 2023 edition of U.S. News and World Report's America's Best National Universities ranks Mines as the top-ranked university in Colorado, 38th in the category of Top Public Schools, and 20th in the category of Most Innovative Schools. The school's proximity to Denver and Boulder provides opportunities for significant collaboration with government labs (including NREL, NIST, NCAR, and NOAA), industry and other universities. To learn more about the George S. Ansell Department of Metallurgical and Materials Engineering visit, <https://metallurgy.mines.edu/>.

Mines produces industry-ready scientists and engineers known for their work ethic, problem-solving ability, and teamwork skills. Mines graduates are in great demand by companies and government entities around the world and are involved in solving major technical and societal challenges of our times. We have several initiatives aimed at enhancing teaching and the student experience, including our exceptional Trefny Innovative Instruction Center, which supports best practices for teaching and learning on campus including, online courses (<https://trefnycenter.mines.edu/>). Our McNeil Center for Entrepreneurship and Innovation supports students and faculty by providing opportunities and training in innovative thinking and entrepreneurial pursuits (<https://innovation.mines.edu/>). The Mines community has a Strategic Plan for Diversity, Inclusion, and Access, which supports a wide range of activities, including inclusive hiring, inclusivity in the classroom, cultivating a respectful and compassionate campus culture, family friendly programming and policies, expanding pathways for success, and ensuring shared responsibility (<https://www.mines.edu/about/diversity>).

Colorado School of Mines is known globally for the quality of its distinctive graduates, the success of its alumni and its unique expertise in topics related to earth, energy and the environment. Our core values include Inquiry and Innovation, Inspiration, Challenge, Openness, Respect, Diversity, Compassion, and Collaboration. Each of the values facilitates our shared success, and the advancement of Mines and its mission; by our examples and by our encouragement we seek to foster these values throughout our community, and especially among our students, so as to inspire them to pursue excellence in our shared lives of inquiry and innovation. For more information visit <https://www.mines.edu/president/planning/>.

Compensation:

Mines is offering an academic year salary rate of:

Assistant Professor: \$96,000 - \$110,500

Associate Professor: \$110,000 - \$132,000

Professor: \$141,000 - \$197,500

This salary may be further supplemented during summer and winter research periods, using funds drawn from external grants or other sources. Mines takes into consideration a combination of candidate's

education, training, and experience as well as the position's scope and complexity, the discretion and latitude required in the role, work location, and external market and internal value when determining a salary level for new employees.

Total Rewards

Mines is proud to provide exceptional benefits that include pay, health & wellness, and work/life balance offerings. Our portfolio of benefits includes fully paid medical and dental premiums, as well as offers for vision, disability insurance, flexible spending accounts, life insurance, and retirement savings plans. Additionally, Mines employees are eligible for tuition benefits (for employees and dependents), generous paid holidays and leaves and discount programs. Additionally, Mines' leadership and innovation brings proximity and access to several research centers, consortia, agencies, labs and leading-edge technology. For more information, visit [Mines benefits](#).

Equal Opportunity

Colorado School of Mines is committed to equal opportunity for all persons. Mines does not discriminate on the basis of age, sex, gender (including gender identity and gender expression), ancestry, creed, marital status, race, ethnicity, religion, national origin, disability, sexual orientation, genetic information, veteran status or current military service. Further, Mines does not retaliate against community members for filing complaints regarding or implicating any of these protected statuses.

Mines' commitment to nondiscrimination, affirmative action, equal opportunity and equal access is reflected in the administration of its policies, procedures, programs and activities and in its efforts to achieve a diverse student body and workforce.

Through its policies, procedures and resources, Mines complies with federal law, Colorado state law, administrative regulations, executive orders and other legal requirements to prevent discrimination (including harassment or retaliation) within the Mines campus community and to address potential allegations of inequity or concerns for safety.

How to Apply

Applicants are asked to complete an application at:

https://mines.wd1.myworkdayjobs.com/Mines_Careers/job/Colorado/Tenured-Tenure-Track-Professors--Metallurgical-and-Materials-Engineering_JR102130.

If you have questions, please contact Kathleen Feighny, Human Resources, at kfeighny@mines.edu with any questions.