



**COLORADO SCHOOL OF MINES**  
EARTH • ENERGY • ENVIRONMENT

**Department of Civil & Environmental Engineering  
Center of Excellence in Underground Construction & Tunneling  
Assistant Professor – Geotechnical Engineering / Underground Construction & Tunneling**

The Department of Civil and Environmental Engineering (CEE) at Colorado School of Mines (Mines) invites applications for a tenure-track Assistant Professor\* position in the field of civil/geotechnical engineering with teaching and research expertise that can contribute to underground construction and tunneling (UC&T). Mines is home to an active and diverse geotechnical engineering program. In addition to six geotechnical engineering faculty members in the Department of Civil & Environmental Engineering, faculty members in Geological Engineering and Mining Engineering also provide an extremely rich and diverse environment for pursuing collaborative teaching and research in geotechnical engineering.

With this search and complimentary faculty searches in Mining Engineering and in Geological Engineering, Mines aims to further build upon its world class multidisciplinary education and research infrastructure in UC&T. The goal of this faculty position search is to hire in an area of expertise that furthers the civil/geotechnical engineering contribution to UC&T and compliments the expertise and focus areas of mining engineering and geological engineering. Applicants with expertise in areas of civil/geotechnical engineering related to UC&T are encouraged to apply. Areas of particular interest include soft ground (soil and weak rock) tunnel design and construction, innovative materials (modified soils, grout, foams, slurries, etc.), ground improvement techniques, nondestructive evaluation and ground imaging, soil-structure interaction, geoconstruction process monitoring, instrumentation, data driven modeling and performance prediction.

**Responsibilities:** Teaching responsibilities will include undergraduate civil-geotechnical courses in the BS Civil Engineering Degree Program, and graduate courses within the UC&T and CEE degree programs. The successful candidate will be expected to supervise graduate research and thesis projects, establish a quality publication record, and develop a strong externally funded research program. The successful candidate is expected to be a collegial and productive faculty member in CEE, and will participate fully and pursue leadership responsibility in the multidisciplinary Center of Excellence in UC&T in research and service activities. Research efforts should include both federal agency and industry supported projects.

Mines encourages applications from qualified candidates who will contribute to the diversity and excellence of our academic community through their research, teaching, and service.

**Qualifications:** The successful candidate must possess an earned PhD degree in an engineering discipline closely related to geotechnical engineering/underground construction and tunneling by the time of the appointment, and the demonstrated potential for successful teaching, scholarship, and service. Background and expertise in UC&T as described above is desired. Strong interpersonal and communication skills are required as is a commitment to excellence in research and teaching at both the undergraduate and graduate levels.

**Compensation:** Salary and benefits will be commensurate with qualifications and experience. CSM also provides an attractive benefits package including fully paid health insurance, dependent tuition benefits, parental leave policies and dependent care assistance through a flexible spending plan.

**How to Apply:** Applicants must submit (1) a letter of application, (2) a statement of teaching and research experience and interests, (3) a curriculum vitae, and (4) names and contact information for three professional references to: Colorado School of Mines, Human Resources Office, Search #: **15-011350**, 1500 Illinois Street, Golden, CO 80401, Fax: (303) 384-2025.

*Mines is an EEO/AA employer and is committed to enhancing the diversity of its campus community. Women, minorities, veterans, and individuals with disabilities are encouraged to apply.*

*Employment with Mines is contingent upon the satisfactory completion of a background investigation.*



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Electronic applications are encouraged and will be accepted at [fsearch@mines.edu](mailto:fsearch@mines.edu). If using this method of application, please put the search number as indicated above (in bold) in the subject line to ensure that your materials are properly forwarded to the search committee.

Review of applications will begin by **January 6, 2015**. Applications may be accepted after this date until suitable candidates are identified.

*\* This position is targeted to the Assistant Professor level. Based on experience and contributions, exceptional candidates may be considered for appointment at the Associate Professor level.*

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