



COLORADO SCHOOL OF MINES
EARTH • ENERGY • ENVIRONMENT

**College of Engineering and Computational Sciences
Underground Construction and Tunneling Program
Bruce E. Grewcock Chair – Underground Construction and Tunneling**

Colorado School of Mines (Mines) seeks applications and nominations for an anticipated endowed chair in Underground Construction and Tunneling. The search is open to highly qualified candidates for the academic rank of Full Professor.

Colorado School of Mines, Colorado's oldest public university is located in Golden, Colorado, in the foothills of the Rockies, 13 miles west of Denver and 21 miles south of Boulder. Mines has 3700 undergraduate students and 1300 graduate students in a broad range of applied science and engineering disciplines. Annual research funding in 2011 was \$46.7M. The 2012 edition of U.S. News and World Report's America's Best Colleges places Mines as the top-ranked public university in CO and ranks Mines 75th in the category of Best National Universities, both public and private, and 52nd in the publication's listing for Best Undergraduate Engineering Programs at schools whose highest degree is a doctorate. Mines ranks 63rd in U.S. News and World Report's 2013 ranking of engineering graduate schools. The School's proximity to Denver and Boulder provides opportunities for significant collaboration with government labs and industry as well as other universities.

The Underground Construction and Tunneling program (UC&T) at Mines is an unique, interdisciplinary program that draws on substantial contributions from faculty across the Institution, especially Civil and Environmental Engineering, Geology and Geological Engineering, and Mining Engineering. The UC&T program includes an undergraduate minor, a proposed MS and PhD degree, and the UC&T Center, which is funded by a gift and includes a developing industrial consortium. Education and research activities in the program encompass the planning, design, construction, and operation of underground spaces (e.g., caverns, shafts, tunnels) intended for functions other than extraction of earth's resources. The main domains for UC&T include civil infrastructure, (e.g., water and wastewater conveyance and storage, transportation, and utilities), as well as underground facilities for civil, commercial and military use, with consideration of both soft ground (soil and soft/weak rock) and hard rock environments. The UC&T program comes with substantial financial support from a Mines alumnus that can be used to further the research, education, training and outreach activities of the program.

Responsibilities: The successful candidate must develop and sustain a substantial and collaborative research program with internationally-recognized stature. The successful candidate will be expected to extend and supplement current strengths of the program and lead the program through development of the industrial consortium, funded research, scholarly publications, graduate student supervision, outreach, and graduate and undergraduate teaching. The successful applicant is expected to lead the Center for Underground Construction and Technology as its Director. 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: A Ph.D. in a field closely related to UC&T is required. The successful candidate is expected to have a distinguished record of scholarship, including funded research, and experience in teaching and advising, with national and international professional recognition that would merit appointment as a tenured Full Professor. In addition, the successful candidate must have a demonstrated history of successful program leadership, and superb organizational, interpersonal and communication skills. The successful candidate will also have an intimate knowledge of the UC&T industry. Industrial experience and credibility with the UC&T industry is an essential qualification.

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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Compensation: Salary and benefits will be commensurate with qualifications and experience. Mines 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 detailed curriculum vitae, (3) an applicant's statement describing their research and teaching interests and their vision for the future of UC&T, and (4) a list of names and contact addresses of at least three professional references to: Colorado School of Mines, Human Resources Office, Search #**13-051020**, 1500 Illinois Street, Golden, CO 80401, Fax: (303) 384-2025.

Electronic applications are encouraged and will be accepted at 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 March 15, 2013.

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