



Physics
Assistant, Associate or Full Professor

The Colorado School of Mines Department of Physics invites applications for an anticipated tenure-track or tenured position from candidates with interests and experience at the crossroads of condensed matter, optics, and computational physics, as they apply to renewable energy. Women and minorities are particularly encouraged to apply. The start date for this position is August 2009.

The Department offers an ABET-accredited B.S. degree in Engineering Physics as well as M.S. and Ph.D. degrees in Applied Physics. Research emphasis includes condensed matter physics, optics, nuclear physics, and computational physics. Particular strengths in condensed matter include electronic materials and photovoltaics, nanofabrication and nanophysics, materials characterization, soft condensed matter, and electronic materials theory. Current optics work includes ultrafast characterization, nonlinear interactions, micromachining and integrated optical/microfluidic systems, and nonlinear microscopy. Visit <http://physics.mines.edu/> for more information about the Department.

Building on its global reputation for expertise in energy, materials, minerals, and the environment, renewable energy is a Mines focus area. The Physics Department plays a leading role in a recently awarded NSF Materials Research Science and Engineering Center directed at renewable energy. A strong departmental relationship with the nearby National Renewable Energy Laboratory (NREL) serves to strengthen this program. In addition to close relations with NREL, the Department has collaborations with the National Institute of Standards and Technology and the National Center for Atmospheric Research in Boulder.

Mines is located in Golden, along the foothills of the beautiful Front Range of the Rocky Mountains, a high-technology enterprise region. The campus is within easy driving distance of Rocky Mountain National Park as well as some of the world's finest ski slopes, hiking, backpacking, mountain and road biking, and classic rock climbing crags. Located only 20 minutes away is metropolitan Denver, a social, cultural, and business hub which offers all the attractions of a major city.

Responsibilities: This faculty member will become an active participant in Mines' new Renewable Energy Materials Research Science and Engineering Center while complementing departmental expertise in condensed matter physics and optics. The successful candidate will collaborate closely with research groups at NREL. Collaborations are also encouraged at Mines' Golden Energy Computing Organization, which has a world-class high performance computing facility. In addition to developing an active graduate research program, the successful candidate must also be an effective teacher at both undergraduate and graduate levels.

Qualifications: The position requires a Ph.D. in physics with postdoctoral experience or the equivalent. Applicants for the rank of Assistant Professor must provide evidence of the potential to become excellent scholars and teachers and to attract research funding. For the rank of Associate Professor, applicants must have an excellent record of publication in leading journals and demonstrated success in research funding and teaching. At the rank of Full Professor, an applicant must have established an international reputation. Additionally, excellent oral and written communications skills must be present regardless of academic rank.

CSM 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 CSM is contingent upon the satisfactory completion of a background investigation.

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Compensation: Salary, startup 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 send a letter of interest addressing desired rank, a curriculum vitae, a list of three professional references (name, mailing address, email address, telephone number), a summary of the proposed research program and its relevance to renewable energy and the Department, and a description of teaching philosophy and methods to: Colorado School of Mines, Human Resources Office, Search #**08-151090**, 1500 Illinois Street, Golden, CO 80401, Fax: (303) 384-2025.

For a listing of faculty rank requirements: [click here](#)

Electronic applications are encouraged and will be accepted at faculty.search@is.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 10, 2009.

Questions about this position may be addressed directly to Dr. David Wood, dmwood@mines.edu, Chairman, Faculty Search Committee, Department of Physics.