

**Positions Available**

**UNIVERSITY OF FLORIDA  
Department of Materials  
Science and Engineering**

Four tenure-track faculty positions are available for qualified individuals with expertise in one or more of the following areas:

- A. Synthesis, processing, and characterization of composite materials.
- B. Processing of bulk crystals and thin films of semiconductors; electrically and optically active point defects in semiconductors; optical and nonlinear optical materials; reliability and packaging.
- C. Environmental stability of materials (e.g., corrosion, oxidation, etc.).
- D. Materials characterization with strong emphasis on transmission electron microscopy and microanalysis techniques.

Candidates will be expected to teach graduate and undergraduate courses and to initiate and sustain a vigorous sponsored research program in their area of expertise. Positions may be offered at the level of assistant, associate, or full professor depending on the qualifications of the individual candidate. A doctoral degree in materials science and engineering or related disciplines is required for consideration.

The Department currently has 26 faculty, 160 upper division undergraduate, and 130 graduate students, with substantial and sustained research funding and academic programs in biomaterials, ceramics, composites, electronic materials, metals, minerals processing, and polymers.

The deadlines for submission of applications are **April 1, 1991, May 1, 1991, and June 1, 1991**. Applicants should submit a cover letter specifying area of interest (A, B, C, or D) together with curriculum vitae and three letters of recommendation to:

Prof. M.D. Sacks  
Search Committee Chairman  
157A Rhines Hall  
University of Florida  
Gainesville, FL 32611-2066

*The University of Florida is an Equal Opportunity/Affirmative Action Employer.*

**SENIOR SCIENTIST  
Electrochromics**

We are a well funded start-up seeking an enthusiastic, creative individual to join our close-knit team. You will work directly with the VP of R&D advancing and refining the company's proprietary solid-state electrochromic thin-film technology for application in a range of new products. Prefer PhD in materials science with specialization in solid-state electrochemistry, at least three years relevant experience and practical hands-on skills. The attractive compensation package includes competitive salary, benefits and stock option. Send confidential resume and salary requirements to: EYEONICS CORPORATION, 3740 SW Caldew St., Portland, OR 97219, Fax: (503) 293-6988.

**RESEARCH SCIENTIST**

Conduct research of thin film growth of high temperature superconductors and their integration into semiconductor microelectronics technology. Apply molecular beam epitaxy (MBE) to grow thin films and to analyze them for both their superconducting and interface stability characteristics by a variety of surface sensitive techniques. Requires PhD or equivalent in physics. 1 year experience in job offered. \$30,000/yr., 40 h/wk. Apply at Texas Employment Commission, Houston, Texas, or send resume to: Texas Employment Commission, TEC Building, Austin, Texas 78778. J.O. #5757242.

*Ad Paid by an Equal Employment Opportunity Employer.*



**FACULTY POSITON**

**Materials/Chemical Engineering  
Montana**

Montana State University invites applications for a tenure-track position as Assistant Professor of Chemical Engineering. Located in Bozeman, MT, 90 miles from Yellowstone Park, in a year-round outdoor wonderland and cultural center. Required: PhD in chemical engineering or materials (outstanding candidates in biotechnology or other closely related areas will be considered); ability to develop strong sponsored research program; ability to teach at the high standards of the Dept. Preferred: interest in composite materials or surface science. Expected to participate in thrust areas of existing MSU programs; ability to teach fundamental materials science, transport, and engineering subjects; at least one degree in chemical engineering. Send resume, description of research interests and expertise, and names, addresses, and telephone numbers of three references to: Dr. John F. Mandell, Chairman, Search Committee, Dept. of Chemical Engineering, Montana State University, Bozeman, MT 59717-0392. Screening of applicants will begin April 1, 1991.

*MSU is an EO/AA employer - preference provided to eligible veterans.*

**TWO UNIVERSITY LECTURESHIPS**

**University of Cambridge  
Department of Materials  
Science and Metallurgy**

Applications are invited for two lectureships. The successful applicants will be expected to teach in the areas of either mechanical behavior or chemical properties and materials processing, and to carry out experimental or theoretical research in related areas. The appointments will commence on September 1, 1991 or as soon as possible thereafter. Salary ranges \$15,444 to \$23,819.

Applications including a C.V., list of publications, an outline of research plans and the names and addresses of three referees should be sent before **March 31, 1991** to: Dr. M.F. Ingham, Secretary of Appointments Committee, Institute of Astronomy, University of Cambridge, Madingley Road, Cambridge, CB3 0HA, England. Further particulars may be obtained from Prof. O.J. Humphreys, Department of Materials Science and Metallurgy, University of Cambridge, Pembroke Street, Cambridge, CB2 3QZ, England (telephone 0223 334457 or fax 0223 334437).

**GROUP SUPERVISOR/SCIENTIST**

THE U.S. BUREAU OF MINES is seeking an experienced materials scientist to fill either a senior researcher or supervisory position in fundamental and applied research on wear and fracture of metallic and ceramic materials. Knowledge and experience are required in physical and mechanical metallurgy, and materials science with experience in wear and fracture processes. Good communication skills are essential. For filling the group supervisor position, the applicant must demonstrate experience and ability to supervise three to seven scientists/engineers and technicians. One position will be filled depending upon qualifications of applicants. Position is located in Albany, OR. Salary range is \$37 to \$57K. Resumes will not be accepted. Application information may be obtained by calling (503) 967-5837 or mailing your request to: Albany Research Center, 1450 Queen Avenue, S.W., Albany, OR 97321, attention: Personnel. U.S. citizenship required.

*The Department of the Interior is an Equal Opportunity Employer.*