

**Positions Available**

**ASSISTANT PROFESSOR  
Northwestern University  
Robert R. McCormick  
School of Engineering and  
Applied Science**

The Department of Electrical Engineering and Computer Science has tenure-track faculty positions available at the assistant professor level to work in the newly formed Center of Exploratory Quantum Photonic and Electronic Engineering under the direction of Dr. Manijeh Razeghi.

We are interested in exceptional applicants to teach and perform research in the areas of optoelectronic devices, solid state devices, high speed electronic and photonic devices, and related areas.

Applicants should have attained a doctoral degree in electrical engineering, materials science, physics, or a closely related field by the starting date of the appointment.

Persons interested in working with Dr. Razeghi should send their resumes and the names and addresses of at least four references to:

Prof. Abraham H. Haddad, Chairman  
Department of EECS  
Northwestern University  
2145 Sheridan Road  
Evanston, IL 60208-3118

*Northwestern University is an equal opportunity, affirmative action employer. Applications from women and minorities are encouraged. Employment verification required upon hire.*

**POSTDOCTORAL POSITION**

University of California at Berkeley, Department of Geology and Geophysics has a 2-year postdoctoral research position available beginning 1 January 1992 for experimental investigation of the thermal conductivity of silicate melts. Candidates should have completed a PhD in materials science or a related field and have experience in the design and construction of experimental apparatus.

A letter of interest, curriculum vitae, and the names of three referees should be sent to: Ian Carmichael, Dept. of Geology and Geophysics, University of California, Berkeley, CA 94720 by 1 November 1991.

*The University of California is an equal opportunity/affirmative action employer.*

**POSTDOCTORAL ASSOCIATE**

Postdoctoral associate for synthesis and characterization of microporous ZrO<sub>2</sub> particles: colloidal processing, sol/gel synthesis, pore characterization, NMR, and SEM. Send resume to: Dr. A. McCormick, Department of Chemical Engineering and Materials Science, University of Minnesota, 421 Washington Ave. SE, Minneapolis, MN 55455.

*The University of Minnesota is an equal opportunity educator and employer.*

**FACULTY POSITION  
New Mexico Institute  
of Mining & Technology  
Materials and Metallurgical  
Engineering Department**

New Mexico Institute of Mining & Technology (a PhD-granting institution) invites applications for a tenure-track position in the Department of Materials and Metallurgical Engineering. Assistant professor preferred; other ranks will be considered. Rank and salary will be commensurate with qualifications. Applicant must have a PhD in the field of materials, metallurgical, process engineering, or a related field. A strong background is required in solid-state diffusion and electron-optical applications. It is also desirable that the applicant have both academic and industrial experience that is applicable to capstone design course offerings. The successful candidate is expected to teach courses in the materials and metallurgical engineering curriculum (primarily solid-state diffusion and x-ray diffraction) at both graduate and undergraduate levels, and to be responsible for organizing and directing capstone engineering design projects. The candidate is expected to establish externally funded research programs and direct graduate research (MS and PhD levels). Submit resume, research plan, and three references to: New Mexico Institute of Mining and Technology, Human Resources, Wells Hall Box C-093, Socorro, New Mexico 87801.

AAEOE

**X-Ray Diffractionist  
Materials Science**

GTE Laboratories provides advanced R&D to support GTE's more than 100 telecommunications, lighting and precision material operations located in the U.S. and 41 countries around the world.

Be an important part of our corporate analytical lab supporting ongoing GTE Laboratories research as well as consulting for GTE operating companies. Provide analytical/consulting services and conduct applied research in structural and materials characterization using x-ray diffraction, crystallography and related techniques. Areas of focus include ceramic oxides, superlattices, thin films, metals, polymers and optical materials. Develop methodologies and apply them to solving research questions using conventional/specialized diffraction methods along with computerized data acquisition and analysis.

MS/PhD in Materials Science or related discipline (Physics, Chemistry) or related experience required. 5+ years' research experience and demonstrated expertise in materials analysis by XRD required.

We offer an outstanding benefits package including an on-site fitness facility, Company-paid medical/life/dental insurance, pension, savings and investment plans. Please send your resume to the Employment Department, Box Code JHJ, GTE Laboratories, 40 Sylvan Road, Waltham, MA 02254. An equal opportunity employer, M/F/H/V.



THE POWER IS ON.

**Positions Wanted**

**PhD materials scientist** seeks postdoctoral research associate position. Experience in characterization of materials: RBS, charged particle activation, SIMS, SEM. Publications on high T<sub>c</sub> superconducting films, single event upset, trace element analysis by activation. French citizenship. Reply to Box No. 10-5, c/o MRS Bulletin.

**TO REPLY TO BOX NUMBER, WRITE:**

Box No. \_\_\_\_\_, c/o MRS Bulletin  
Materials Research Society  
9800 McKnight Road  
Pittsburgh, PA 15237