

Positions Available

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GTE Laboratories provides advanced research and development to support the entire Corporation of more than 60 communications, products, research and service subsidiaries in the U.S. and 19 countries around the world.

You'll carry out experiments and research relating to high-pressure, high temperature arcs for lighting applications. Projects involve the interplay of high temperature gas-solid reactions, advanced ceramic processing and metallurgy. The ideal candidate must have 5+ years' experimental work experience (may include graduate thesis work) and be proficient in a hands-on laboratory environment. A Ph.D. in materials science or materials processing, or a Ph.D. in physics, engineering physics or physical chemistry with a materials science background is required. Experience with discharge physics, plasma diagnostics, optical spectroscopy, and computer programming/laboratory data acquisition is preferred.

We offer an outstanding benefits package including a Company-paid medical/life/dental insurance plan, pension, savings and investment plans. To apply, please send your resume to Cynthia Farrar, GTE Laboratories, Box MRS488, 40 Sylvan Road, Waltham, MA 02254. An equal opportunity employer, M/F/H/V.



**MATERIALS SCIENCE
FACULTY**

MIT Department of Materials Science and Engineering has several tenure track assistant professorships available involving teaching and research in the areas noted below:

- Physical/Electronic Ceramics
- Chemical Synthesis/Processing of Materials
- Materials Science and Engineering

Doctorate required and experience desirable. Salaries and benefits competitive. Positions will be filled only if exceptional candidates are found. Appointment to a more senior position is possible based on experience and accomplishments.

Send resume (including citizenship and/or visa status), publications list and references to Professor Merton C. Flemings, Head, Department of Materials Science and Engineering, Massachusetts Institute of Technology, Cambridge, MA 02139. MIT is a non-smoking environment.

MIT is an equal opportunity/affirmative action employer.

A COMMUNITY AT WORK



**UNIVERSITY OF
COLORADO AT BOULDER**

**Postdoctoral Position
Optoelectronic Materials**

A postdoctoral research position is available in the Materials and Devices Program of the Center for Optoelectronic Computing Systems. The work consists of plasma-assisted CVD of advanced materials for novel devices intended for use as optical and optoelectronic computing elements. The applicant is expected to have completed the PhD in Physics, Electrical Engineering, or Materials Science. The candidate should submit a resume, transcripts, and names, addresses, and current phone numbers of three references to Prof. Jacques Pankove, Center for Optoelectronic Computing Systems, Department of Electrical and Computer Engineering, Campus Box 425, University of Colorado, Boulder, CO 80309-0425.

The University of Colorado is an equal opportunity educator and employer and encourages applications from women and ethnic minorities.

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Positions Available

APPLICATIONS SCIENTIST

X-Ray Diffraction (Powder)

Nicolet Analytical Instruments Division, recognized as a market leader in the design, manufacture, and customer support of instrumentation systems for analytical chemistry and molecular structure determination, has an immediate opportunity for a powder specialist at its Madison, WI headquarters. The position offers an opportunity to participate in the direction and development of x-ray diffraction application and instrumentation with primary responsibility for instrument demonstrations, sample analysis, customer training and technical presentations.

Requires a minimum of a BS in the physical sciences and 2 years industrial or academic experience using powder diffraction techniques.

Salary commensurate with experience. Excellent benefit programs: medical, dental, life, LTD insurances, 401K, stock purchase and relocation programs. For confidential consideration send resume with salary history and requirements to: Mr. C.H. Vinje, Nicolet Instrument Corporation, P.O. Box 4370, Madison, WI 53711.

NICOLET

Instruments of Discovery

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ELECTRON OPTICS SPECIALIST

An excellent faculty level position as a Professional Specialist in electron optics is available. Major duties are to aid in the facilities development and maintenance, and to assist users with Scanning Transmission Electron Microscopy (JEOL 100C), Scanning Electron Microscopy (ISI 60A) and Energy Dispersive X-ray Spectroscopy (PGT-1000) studies of inorganic and metallic materials. Applicant must have MS in Materials Science or equivalent prior experience. Additional responsibilities will include teaching laboratory courses in electron optics and instrument use. Experience with instrument interfacing and programming is desirable. Preference will be given to those applicants with a breadth of skills in materials research. Salary commensurate with experience and background.

Applicants should send a vitae, description of salary requirements and names of three references to Albert E. Miller, Professor and Chairman, Department of Materials Science and Engineering, University of Notre Dam, Notre Dame, IN 46556.

The University of Notre Dame is an Affirmative Action/Equal Opportunity Employer.

FACULTY POSITIONS

**Department of Materials Science and Engineering
University of Illinois
at Urbana-Champaign**

Tenure track positions are expected for Fall 1988 at the assistant professor level involving teaching and research in areas listed below:

- Polymer Science and Engineering
- Electronic Materials
- Electron Microscopy and Surface Science
- Fracture Mechanics
- Structural Ceramics
- Chemical Synthesis
- Materials Processing

Doctorate required and salary competitive. Appointment to a more senior position is possible based upon experience and accomplishments

Send resume, publication list and references to Prof. D. A. Payne, Acting Head, Department of Materials Science and Engineering, University of Illinois, 1304 W. Green Street, Urbana, IL 61801.

Telephone inquiries may be directed to Roger Cathey, 217-333-1442.

Interviews may take place prior to the deadline of May 1, 1988. Decisions will be made after May 1, 1988.

The University of Illinois is an Equal Opportunity/Affirmative Action employer.

FACULTY POSITIONS

Polymer Science and Engineering

Lehigh University is seeking to fill several tenure track positions by August 1988 or later. Development of a vigorous research program and teaching excellence at the undergraduate and graduate levels within the Departments of Chemical Engineering, Chemistry, or Materials Science and Engineering are required. Candidates with an interest in theoretical and/or thermodynamic aspects of polymers; polymer processing/composites/multicomponent systems; polymer colloids/interfaces; and polymer synthesis are encouraged to apply. Rank and departmental affiliation are based on applicant's background. Send vitae, statement of research plans, and three letters of reference to: Chairman, Search Committee, Polymer Science and Engineering Program, 308 Packard Laboratory #19, Lehigh University, Bethlehem, Pennsylvania 18105.

Lehigh University is an equal opportunity/affirmative action employer.

RESEARCH ASST./ASSOC.

Oversee x-ray diffraction lab in Institute of Materials Science; conduct research and grad study. Attractive salary based on qualifications. Send resume and names of 3 references to L.V. Azaroff, Director of IMS, U-136, Univ. of Conn., Storrs 06268.

An Equal Opportunity Employer.

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