

our horizons, to open our eyes to all the possibilities that lie before us, to think about what we, the women in this world, can become in the future. And maybe, hopefully, possibly to make all this work and effort worth something. Then we can learn to go the distance, to do all we can do to break the glass ceiling, the guidelines set for each and every woman in this world, the rule that says that women are mothers and stewardesses and secretaries. But here at San Jose State at this once-a-year meeting we hope to change all this...I haven't and never will part from the memories I got from one day at San Jose State...You helped make one of the most meaningful days in my whole life happen."

For more information on Expanding Your Horizons Conferences, or to find out if there is a conference happening near you, contact:
Math/Science Network
Preservation Park
678 13th Street, Suite 100
Oakland, CA 94612
(510) 893-MATH

EMILY ALLEN

Emily Allen is an assistant professor in the Materials Engineering Department and an EYH Planning Committee member at San Jose State University, San Jose, California. Questions about EYH can be sent to: allen@sjsuvm1.sjsu.edu.

To receive additional information on how you can get involved in enhancing K-12 science education, circle number 120 on the Reader Service Card.

CLASSIFIED

Positions Available

FACULTY POSITION

**Massachusetts Institute of Technology
Department of Mechanical Engineering**

The MIT Department of Mechanical Engineering invites applications for a tenure-track position. A faculty member is sought with demonstrated accomplishments, creativity and teaching ability in the broad areas of mechanics and materials, and materials processing and manufacturing. This position is open for a person specializing in TRIBOLOGY/SURFACE ENGINEERING. The position will be filled only if an exceptional candidate is found. The appointment is expected to be at the Assistant Professor level; however, an appointment to a more senior position is possible based on experience and accomplishments.

Applicants should hold a doctorate in mechanical engineering or a related field. Experience is desirable. Interested persons should send a complete resume including a list of publications, and names, addresses and telephone numbers of at least five persons who could supply letters of reference. The applications should also include a 1 to 2-page statement of current and future research interests, and *no more than five* representative publications. This material should be sent to:

Tribology Search Committee
Room 3-173
Department of Mechanical Engineering
77 Massachusetts Avenue
Massachusetts Institute of Technology
Cambridge, MA 02139-4307

Application packages received by
April 1 will be given full consideration.



MIT is an Equal Employment Opportunity/Affirmative Action Employer. Women and members of minority groups are strongly urged to apply.

FACULTY POSITIONS

University of Minnesota

The Department of Chemical Engineering and Materials Science at the University of Minnesota seeks to fill two faculty positions, one in theoretical materials science and one in experimental materials science. Both will emphasize electronic materials and can be filled at the assistant (tenure-track) or associate (tenure-track or tenured) professor level. Assistant professor candidates should have a distinguished academic record, outstanding potential for establishing an independent research program, and a commitment to both undergraduate and graduate instruction in materials science. Associate professor candidates should also have several years of quality teaching and/or research experience and a proven publication record. Send nominations and applications with resume and list of three references by **April 1, 1994** to: Prof. James R. Chelikowsky, 151 Amundson Hall, University of Minnesota, 421 Washington Avenue SE, Minneapolis, MN 55455.

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

POSTDOCTORAL & STAFF POSITIONS

Rutgers University

The Center for Ceramic Research invites qualified applications for several postdoctoral positions and a technical staff (BS or MS level) position. Candidates for the postdoctoral positions must have already completed a PhD in ceramics or related field. Expertise in more than one of the following areas is required: rheology, injection molding, binder removal, sintering, silicon nitride, mechanical properties, and rapid prototyping. Interested candidates should send their resumes (including date of availability, three references and copies of relevant publications) by **March 25, 1994** to: Dr. Stephen C. Danforth, Center for Ceramic Research, Rutgers University, P.O. Box 909, Brett and Bowser Roads, Piscataway, NJ 08855-0909.

Rutgers University is an equal opportunity employer.

AD CLOSINGS:

April issue — March 1
May issue — April 1
Call Mary E. Kaufold at
(412) 367-3036 today!

Positions Available

SENIOR FACULTY POSITION IN MICROSCOPY/MICROANALYSIS/MATERIALS SCIENCE AND ENGINEERING

The Department of Materials Science and Engineering at **Lehigh University** has an opening for a senior (associate/full) professor with expertise in **electron microscopy and/or microanalysis (SEM, TEM, AEM, etc.)**. The successful candidate must have a proven record of research in the **application of microscopy and/or microanalysis to the solution of materials problems** and be able to conduct independent and cooperative research in MS&E. Ability to **teach undergraduate and graduate courses** in microscopy and materials is essential. Experience in running a microscopy facility will be an advantage. Position available September 1, 1994.

Curriculum vitae and the names of three references should be sent by May 15, 1994 to:

Professor David B. Williams
Chairman, Search Committee
Dept. of Materials Sci. & Eng.
Lehigh University
5 East Packer Avenue
Bethlehem, PA 18015-3195

Lehigh University is an equal opportunity employer and welcomes applications from all qualified candidates.

ASST/ASSOCIATE PROFESSOR MECHANICAL ENGINEERING

The Dept of Mechanical Engineering at the City College of the City University of New York invites outstanding applicants for two tenure track faculty positions starting Fall semester 1994 at the Asst or Associate Professor level. The areas of interest include Engineering Materials including Biomaterials, Manufacturing, and Mechanical or Bioengineering Design. Duties include teaching undergraduate and graduate courses and establishing a sponsored research program. Ph.D's required in Mechanical Engineering or related areas.

To be appointed at the level of Assistant Professor, the candidate must demonstrate excellent teaching skills and a potential growth in engineering research. To be appointed to Associate Professor, the candidate must have at least 3 years exp in teaching, research publications and an established research record with external funding. Salary, \$29,931-\$63,202, commensurate with qualifications and exp. The positions are expected to be available in September 1994. Screening of applicants will begin March 15, 1994, and will continue until positions are filled or closed. Send a detailed curriculum vitae and names of three references to **Prof. A. Sadegh, Chairperson, Dept. of Mechanical Engineering,**



**CITY COLLEGE OF NEW YORK,
Convent Avenue and
138th Street,
New York, NY 10031.
An AA/EEO Employer M/F.**

Positions Wanted

The following advertisements are from MRS members seeking employment in materials research and development.

PROSPECTIVE EMPLOYERS—

To correspond confidentially with the applicant,

REPLY TO THE APPROPRIATE BOX NUMBER, AS FOLLOWS:

Box _____, No. _____,
c/o MRS Bulletin
Materials Research Society
9800 McKnight Road
Pittsburgh, PA 15237-6006

Materials Scientist/Engineer, PhD with industrial R&D experience in processing, characterizing, and evaluating advanced materials. Extensive experience in electron microscopy (SEM, EDS, WDS, TEM, specimen preparation). Knowledgeable of statistical methods (e.g., Taguchi). Computer proficient in spreadsheets, word processing, graphics software and data plotting for Macintosh PC. Seeking a challenging position in corporate or educational environment. Location and salary open. **Employers—Please reply to Box 201.**

Ceramic Science Postdoc seeks position in industrial R&D/manufacturing. Research experience in sintering of ceramics, powder processing in ultra clean environment and developing high-strength ceramic composites. PhD in metallurgy. Extensive experience on property/structure of intermetallics. HSLA steels, metal matrix composites and failure analysis. U.S. permanent resident. Location and salary are open. **Employers—Please reply to Box 202.**

PhD Ceramics (January 1994), MS mechanical (fracture of ceramics), BE mechanical, two years work experience. Seeks industrial R&D position in materials science. Expertise in phase diagrams, interfacial thermodynamics, and analysis of active metal brazed joints; applicable to development of composites, electronic packaging, fuel cells, and protective coatings. Hands-on experience with TEM, SEM, XRD, and mechanical testing. **Employers—Please reply to Box 203.**

PhD in Materials Science and Engineering, recent graduate, seeks industrial R&D or institutional research position. Substantial experience with thin-film materials in academic and industrial settings: mechanical properties, processing, force microscopy; silicon, silicates, platinum, PZT; microelectronic applications. Excellent communication skills. U.S. citizen. **Employers—Please reply to Box 204.**

To place an ad,
call Mary E. Kaufold
at (412) 367-3036

ASSOCIATE MATERIALS SCIENTIST

**Ames Laboratory
Iowa State University**

The Metallurgy and Ceramics Program of the Ames Laboratory is seeking an associate metallurgist to work in the area of production and handling of rare earth materials. The incumbent will be responsible for the Materials Preparation Center (MPC) rare earth metals production, and will perform scientific research in the area of materials processing. Position requirements include a PhD in materials science and engineering plus a working knowledge of SEM, TEM, x-ray analysis, analytical and inorganic chemistry, and materials synthesis. Two years experience in the production and handling of rare earth materials is required. Salary of \$37,442 minimum. Send cover letter, resume, plus the names and addresses of three references to: Ames Laboratory Personnel Office, 127 Spedding Hall, Iowa State University, Ames, IA 50011. Application deadline of **March 15, 1994**, or until position is filled.

An equal opportunity/affirmative employer.

MIT

FACULTY SEARCH
Materials Science
Materials Engineering

The MIT Department of Materials Science and Engineering has searches in progress for tenure track Assistant Professors. Faculty members are sought with demonstrated potential, creativity and teaching ability in an aspect of the field of materials science and engineering. These positions are potentially open for persons specializing in any of the materials classes (metals, ceramics, polymers or electronic materials), or more broadly in materials science or materials engineering. Doctorate required and experience desirable. Salaries and benefits are competitive. Positions will be filled only if exceptional candidates are found. Appointment to a more senior position is possible based on experience and accomplishments.

Interested persons should send a complete resume including a list of publications and names and addresses of three persons who could supply letters of reference. This material should be sent to: *Professor Merton C. Flemings, Head, Department of Materials Science and Engineering, Massachusetts Institute of Technology, Building 8-309, 77 Massachusetts Avenue, Cambridge, MA 02139-4307.*

MIT is an Equal Opportunity/Affirmative Action Employer
MIT is a non-smoking environment

**Massachusetts
Institute of Technology**