

## ELECTRONIC MATERIALS FACULTY

A tenure-track assistant professor is sought to teach and conduct research in the Department of Materials Science and Engineering at MIT. Preference will be given to candidates who will devote their initial research activities in one or more of the following areas:

- Processing and properties of compound semi-conductors
- Multi-layer structures and interfaces
- Vapor phase processing, including molecular beam epitaxy

**Doctorate required and experience desirable. Salaries and benefits competitive. Positions will be filled only if exceptional candidates are found. Send resume (include 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 an equal opportunity/affirmative action employer.

# MIT

## DIRECTOR OF ADVANCED MATERIALS CENTER Montana State University

MSU is seeking a talented scientist and administrator who is interested in the outstanding opportunities available in developing a multidisciplinary program of excellence in advanced materials. MSU has established a "SYNTHESIS AND CHARACTERIZATION OF ADVANCED MATERIALS" Center (SACAM) involving Chemistry, Physics, and Chemical, Electrical, and Mechanical Engineering and is searching for its Director. The original focus is on thin films, layered materials, small aggregates, electrically active polymers, and laser materials.

The Director must have a PhD, demonstrated abilities in multidisciplinary research and in developing industrial and governmental relationships, the ability to raise extramural funds, sound managerial skills, and potential to establish competitive research programs. The Director will report to the Deans of two colleges. Salary and other terms are negotiable, as is the starting date. It is a tenure-track faculty position at the associate or full professor level, with main duties being directing the SACAM program and carrying out his/her own research program.

Applicants should send their vita, names and phone numbers of five references, and a statement covering how their background meets each of the criteria outlined above. Screening of applications will begin August 15, 1985. After that date materials will be accepted as necessary to fill the position. Send application and inquiries to Prof. Robert J. Swenson, Chair, Search Committee, Physics Department, MSU, Bozeman, Montana 59717. Phone (406) 994-3617.

*MSU is an equal opportunity/affirmative action employer and encourages applications from female, minority and disabled persons.*



## Faculty Positions Michigan Technological University

Michigan Technological University is expanding its program in metallurgical engineering and will be adding two new faculty members in tenure-track positions. The doctoral degree is required; salary and rank are dependent upon qualifications and experience.

We are seeking persons who will develop strong programs of teaching and research. Areas of specialization may include any within materials science, materials processing, physical or extractive metallurgy.

Applicants are encouraged to respond as soon as possible, but applications will be received until the positions are filled.

Qualified applicants should reply to: Professor L. A. Heldt, Head, Department of Metallurgical Engineering, Michigan Technological University, Houghton, MI 49931, USA.

*Michigan Technological University is an equal opportunity educational/equal opportunity employer.*

## Crystal Growers

Cabot Corporation has two openings at its Billerica Technical Center located in suburban Boston to work on advanced R&D in the growth of electronic materials. One position is for a senior crystal grower with an MS or PhD and significant laboratory experience with the growth of semiconductor crystals. The second position is for an entry crystal grower, MS, PhD or possibly Post Doctoral to work in the Billerica Facility growing a variety of electronic and optical crystals.

Cabot offers competitive salaries and excellent benefits, including profit sharing.

If you are interested in working on problems important to Cabot's growth, please send your resume including salary requirements, in confidence, to Raymond J. Cannon, Cabot Corporation, Concord Road, Billerica, MA 01821.



## Lawrence Livermore National Laboratory

### POSTDOCTORAL RESEARCH STAFF MEMBER (U.S. citizenship required)

The Chemistry and Materials Science Department has a post-doctoral position available for an experimental physicist, materials scientist, or physical metallurgist beginning on or about October 1, 1985. Duties will involve participation in a fundamental research program on the modification of materials surfaces by laser-, electron- and ion-beam processing. Familiarity with materials characterization methods (XRD, TEM, SEM, Auger, SIMS, etc.), laser operation and/or charged particle accelerator usage, rapid solidification, heat-flow calculations and microstructure elucidation is desirable.

Send resume to E. G. Morrell  
(Ref. EM-420-SS)

Lawrence Livermore National Laboratory  
P.O. Box 5510 L-425  
Livermore, CA 94550