

Positions Available

**HEAD, DEPARTMENT OF
MATERIALS SCIENCE
AND ENGINEERING
Carnegie Mellon University**

Nominations/applications are invited for the position of the Head of the Department of Materials Science and Engineering at Carnegie Mellon University. Currently, the department comprises 18 faculty members, distributed among four areas of emphasis: (1) structural materials, (2) electronic and magnetic properties, (3) materials processing, and (4) surfaces and interfaces. The department is a leader in curricular innovation with newly developed, highly flexible BS and graduate programs. With an annual budget of over \$5 million, the department is home to the NSF Industry/University Cooperative Center for Iron and Steelmaking Research, the Center for Advanced Deformation Processing Research, and the CMU Electron Optics Central Research Facility. The department also has strong research ties to the CMU-NSF Engineering Research Centers in Data Storage Systems and Engineering Design, as well as the Integrated Microsystems Laboratory. Research facilities include extensive computational resources, including access to several supercomputers at the Pittsburgh Supercomputing Center, and state-of-the-art facilities for materials synthesis and processing, characterization, and testing. The successful candidate should have an earned PhD in materials science and engineering or related fields, an internationally recognized research stature, and the experience and abilities to lead the teaching and research excellence of the department. Nominations/applications, along with a vitae and the names, addresses, and phone numbers of three references should be sent to:

Prof. Brent L. Adams
MSE Department Head Search
Committee
Department of Materials Science and
Engineering
Carnegie Mellon University
Pittsburgh, PA 15213-3890

The search committee will consider all applications and nominations received up to **February 1, 1995**.

Carnegie Mellon University is an affirmative action, equal opportunity employer.

SEND BULLETIN NEWS TO:

Editor, MRS Bulletin, Materials Research Society,
9800 McKnight Road, Pittsburgh, PA 15237-6006
FAX: (412) 367-4373

**FACULTY POSITION
The University of Michigan**

The Department of Materials Science and Engineering at The University of Michigan is continuing to grow and there are openings for tenure track faculty positions at the level of assistant professor. Candidates at the senior level with records of outstanding accomplishment will also be considered.

Applicants must have a PhD degree, be qualified to teach undergraduate and graduate courses in materials science and engineering, and should plan to develop independent and cooperative research programs. A demonstrated research record or potential is required. Preferred areas of expertise include: electronic, magnetic, and/or photonic materials; physical metallurgy; materials theory and modeling; and ceramics.

Women and minority candidates are encouraged to apply. Send curriculum vitae and a list of references to: Chairman, Search Committee, Department of Materials Science and Engineering, The University of Michigan, 2300 Hayward Street, Ann Arbor, MI 48109-2136.

An Equal Opportunity/Affirmative Action Employer.

**DEPARTMENT OF MECHANICAL ENGINEERING
The Johns Hopkins University**

The Department of Mechanical Engineering invites applications for a tenure-track faculty position in the general area of the mechanical aspects of materials. An outstanding individual is being sought specifically to complement strong existing research programs and to take a leadership role in the Materials Initiative of the Whiting School of Engineering. Candidates with research interests in the synthesis of advanced materials (including, but not limited to, nanostructured materials, MEMS, and biomimetics) and biomaterials will be given priority.

Current research in mechanics and materials in the Department includes: high-rate deformation processes, characterization and analysis of composite materials, microsample testing of materials, interface mechanics, quantitative electron microscopy, dislocation mechanisms, biomaterials, and biomechanics. Other departmental research activities include experimental, analytical, and numerical aspects of fluid flow, and kinematics and control in robotics. The successful candidate will be expected to form synergistic interactions with members of the department as well as strong collaborative programs with colleagues from other departments within the Whiting School and the university.

An earned doctorate is required, as well as demonstrated experience in research and the potential for significant contributions to the research and teaching mission of the department. *Female and minority candidates are especially encouraged to apply.* Applicants should submit their resumes (with at least three individuals who may be contacted for confidential letters of reference) before **February 1, 1995** to: Prof. Andrew Douglas, Search Committee Chair, Department of Mechanical Engineering, The Johns Hopkins University, Baltimore, MD 21218-2686, USA.

The Johns Hopkins University is an equal opportunity, affirmative action employer.

**POSTDOCTORAL POSITIONS
Materials Research Science and Engineering Center
The University of Alabama**

The Center for Materials for Information Technology at The University of Alabama has recently been designated by the NSF as one of the eleven Materials Research Science and Engineering Centers in the United States. As a result of this and other funding from the University, industrial sponsors, and federal agencies, the Center has openings for several postdoctoral fellows to participate in an expanding multi-disciplinary research program focusing on magnetic materials for flexible media and heads. Fifteen faculty from six academic programs including chemistry, chemical engineering, electrical engineering, materials science, metallurgical engineering, and physics participate in a wide range of experimental and theoretical research areas. Topics include high magnetization and giant magnetoresistive films, magnetization dynamics, chemistry and processing of nanoparticles, new media chemistry, wear, and corrosion. Selected postdoctoral candidates will be requested to have extensive research experience in a related discipline, strong oral and written communication skills, and leadership qualities. Applicants should send a curriculum vitae, a brief statement of research interests, and the names of three references to: Prof. William D. Doyle, Director, Center for Materials for Information Technology, The University of Alabama, Box 870209, Tuscaloosa, AL 35487-0209.

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

Positions Available

**DIRECTOR
Ames Laboratory**

Iowa State University of Science and Technology (ISU) is seeking an outstanding individual with strong research and national laboratory management experience for the directorship of the Ames Laboratory. The laboratory was established in 1947 and is operated by ISU for the U.S. Department of Energy (DOE). Located on ISU campus, the laboratory is closely integrated with the research activities of many academic departments and maintains a strong tradition of excellence in fundamental materials sciences, chemistry, engineering, applied mathematics, and related disciplines. Laboratory programs focus on the science base for energy production and use, with strong efforts also in advanced computing and environmental management. The Director is ultimately responsible for the quality, development, and leadership of these programs in accordance with evolving DOE missions and budgets. Laboratory funding is over \$35M in FY94, and staffing includes about 725 employees.

Candidates should have demonstrated significant personal accomplishment in research and have successful program development and management experience at a major research organization. Federal laboratory experience, particularly with DOE, is strongly preferred. Special emphasis will be placed on evidence of the ability to manage change and to focus programs in response to the national research agenda and the evolving missions of DOE, including initiatives contributing to economic development and environmental protection.

Applications should be sent to: Dr. Robert Anderson, Chair, Ames Laboratory Director Search Committee, c/o 127 Spedding Hall, Iowa State University, Ames, Iowa 50011. Review of nominations and applications will begin on **January 15, 1995**.

Iowa State University is an equal opportunity/affirmative action employer. Minorities, women, and members of other protected classes are encouraged to apply.

**POSTDOCTORAL POSITION
University of Minnesota**

A postdoctoral position is available for research in processing and structure development of inorganic/organic coatings. A PhD in chemical engineering, polymer science, materials science, or chemistry is required. Experience in processing and characterization of materials prepared using metal alkoxides, silanes, and colloidal ceramics is desired, along with knowledge of polymer and ceramic coatings. A curriculum vitae and the names of three references should be sent to: Prof. L.F. Francis, Department of Chemical Engineering and Materials Science, 421 Washington Ave., SE, Minneapolis, MN 55455.

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

Services Available

TRANSLATION of journal articles, patents, reports, manuals, etc. from German and French into English by experienced materials specialist. Outstanding quality, fast turnaround, competitive rates. For more information call Nicholas Hartmann (708) 524-1191 or fax (708) 524-1355.

RESEARCH ASSOCIATE POSITION

The Graduate School & University Center of The City University of New York seeks a physicist or electronic engineer for a new position in the Institute for Ultrafast Photonic Materials and Applications located at Brooklyn College. Appointment is through the Applied Science Coordinating Institute with funding for two years. Responsible for research management, maintenance, and applications with advanced equipment on optical characterization (spectral ellipsometry, photoluminescence, Raman scattering), electron microscopy of semiconductors and composite materials; *in situ* optical characterization of semiconductors and morphological imaging; supervision of students and part-time staff. Qualifications: PhD in physics or electrical engineering with optical characterization experience. Computer literacy required. Salary: \$25,237-\$40,000 depending upon qualifications and experience. Send cover letter citing Job No. H-1357, cv or resume, and names of three references and affiliations by **12/31/94** to: The Director of Personnel, Graduate School and University Center, 33 West 42 Street, New York, NY 10036.

For more detailed information contact:
Prof. Fred H. Pollak
Physics Department
Brooklyn College
2900 Bedford Avenue
Brooklyn, NY 11210
Tel: 718-951-5363
Fax: 718-951-4481
E-mail: FHPBC@CUNYVM.CUNY.EDU

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

Physicist, PhD in experimental condensed matter seeks academic/industrial research position. Extensive experience in magnetic materials, melt-casting and heat treatment of amorphous and nanocrystalline ribbons, optimization and stability of their magnetic properties, magnetic relaxation of structure, controlled crystallization, magnetic aftereffect of complex permeability, kinetics of magnetic/creep induced anisotropy, designing of computerized measuring systems.
Employers—Please reply to Box XIX, 1201.

Massachusetts Institute of Technology

**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