

Positions Available

Carnegie Mellon University

The Department of Materials Science and Engineering has two tenure-track faculty openings at the Assistant, Associate or Full Professor level, for exceptionally qualified persons specialized in one of the following areas:

- Modeling of materials processing, with emphasis on applying the principles of heat, mass, and fluid flow to solidification, ceramic processing, and/or composite processing.
- Materials theory, with emphasis on computer simulation/modeling at either the atomistic or continuum scales.
- Semiconducting materials and devices, dielectrics and passivation, and/or contacts and multilevel metallization.
- Microstructural development and the mechanical behavior of metals, ceramics composites, or other structural materials.

Applicants should have a PhD, a demonstrated interest and the ability to develop strong research programs in one of the above areas, and be enthusiastic about teaching at both the graduate and undergraduate levels.

Please send resume and names of three references to:

Professor David E. Laughlin
 Chair, Faculty Search Committee
 Department of Materials Science and Engineering
 Carnegie Mellon University
 Pittsburgh, PA 15213-3890
 Phone: (412) 268-2706, FAX (412) 268-7596

Equal Opportunity/Affirmative Action Employer

POSTDOCTORAL FELLOWSHIPS

Royal Melbourne Institute of Technology

Department of Electrical Engineering at Royal Melbourne Institute of Technology (RMIT), Melbourne, Australia offers 2 postdoctoral fellowships in micro mechatronics and micro machine technology. The research is partially supported by the Japanese Micro Machine Centre, under a research program sponsored by NEDO, an agency of the Japanese Ministry of International Trade and Industry (MITI). The positions are available until the end of 1994 with the possibility of renewal until April 1996. Applicants should have a PhD (or near completion) in the fields of Physics, Engineering, Materials Science or Chemistry. Experience in micro mechanics and micro machines preferred. Qualified applicants should send their curriculum vitae, qualifications, and the names, addresses and fax numbers of two references by **February 28, 1994**. Applications should be addressed to: Appointments Officer, Human Resources Management Group, G.P.O. Box 2476V, Melbourne, Victoria 3001 Australia. Salary in the range of A\$36,285- A\$38,950. For further information and a position description, contact: Dr. Ronald B. Zmood, phone 61 3 660 2100 or fax 61 3 660 2007 or e-mail: rzmood@rmit.edu.au.

Equal opportunity is university policy.

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.*

FULL-TIME, TENURE-TRACK POSITION

**Mechanical Engineering and Energy Processes
 Southern Illinois University at Carbondale**

The Department of Mechanical Engineering and Energy Processes, College of Engineering, Southern Illinois University at Carbondale, has an open tenure-track position at the assistant/associate professor level beginning August 16, 1994. The position requires a doctor's degree in materials or metallurgical engineering or equivalent. Effective undergraduate and graduate teaching and the development of a research program leading to external funding is also required. Experience in industry or a research laboratory is a positive factor. The person in this position is expected to enhance the Department's active materials research program.

Applicants should send a letter, resume, and names of three references to:

Albert Kent, Chair
 Mechanical Engineering and Energy Processes
 Southern Illinois University at Carbondale
 Carbondale, IL 62901

Consideration of applications will begin February 1, 1994, or until position is filled.

Southern Illinois University at Carbondale is an equal opportunity/affirmative action employer.

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