Positions Available

FACULTY POSITION
Division of Engineering and Applied Sciences
Harvard University

Applications and nominations are invited for a tenure-track faculty position in fluid dynamics, to begin in 1999. A PhD degree is required.

Responsibilities include active participation in Harvard's undergraduate degree program in engineering as well as in research and teaching at the graduate level.

Harvard has a long tradition in Applied Mechanics and Mechanical Engineering, and allied disciplines of Biomedical Engineering, Environmental Engineering, Applied Physics, and Earth and Planetary Sciences. We seek a creative, forward-looking individual with broad, interdisciplinary research interests spanning experimental, computational, and/or theoretical aspects of fluid dynamics. Examples of areas of interest include fluid transport processes, reactive flows, multiphase flows, materials processing, biomedical fluids, and complex fluids.

Applicants should submit, before **February 15, 1999**, a curriculum vitae, a statement of research and teaching interests, and the names, addresses (including e-mail), and telephone numbers of three references to:

Professor Howard A. Stone
Fluid Dynamics Search Committee
Pierce Hall 308
Division of Engineering and Applied Sciences
Harvard University
Cambridge, MA 02138

Harvard is an Equal Opportunity/Affirmative Action employer. We welcome applications from qualified women and minority group members.

FACULTY POSITION
Materials
University of California

The University of California, Irvine, Department of Chemical and Biochemical Engineering and Materials Science invites qualified applicants for a faculty position in biomaterials and nanotechnology beginning July 1, 1999. The position will be at the level of assistant professor.

Applicants must have a PhD degree in materials science and engineering or related fields. Preference will be given to outstanding candidates with an interdisciplinary background and who can establish collaborations with current faculty in the following areas:

- Biochemical Engineering
- Biomedical Engineering
- Materials Science

The successful candidate will be expected to teach undergraduate and graduate courses on processing fundamentals, thermodynamics, and composites; direct graduate student research; develop strong programs of sponsored research; and interact with other members of the department.

For full consideration, candidates should send an application with a detailed resume, a brief description of research and teaching interests, and the names and addresses of four references by **December 31, 1998** to:

The Chair of the Search Committee
Chemical and Biochemical Engineering and Materials Science
University of California, Irvine
Irvine, CA 92697-2575

The University of California is an equal opportunity employer committed to excellence through diversity.

TENURE-TRACK POSITIONS
Institute for Micromanufacturing
Louisiana Tech University

Louisiana Tech University is seeking qualified applicants for three tenure-track positions at the Institute for Micromanufacturing (IfM) with joint appointments in the College of Engineering and Science.

Candidates should have expertise in microfabrication techniques, with preferred emphasis in the development of microelectromechanical systems (MEMS) or microoptoelectromechanical systems (MOEMS). Previous fab experience is desirable, either through industrial work or hands-on graduate studies. Familiarity with standard IC/MEMS processing methods is expected, such as UV lithography, thin film deposition and etching, and bulk and surface micromachining. The IfM is a unique research institute, with large cleanroom facilities and a wide array of high-aspect-ratio micromachining tools, including x-ray lithography (LIGA). Successful candidates would join an elite group of researchers, developing novel chemical, biological, and environmental microsystems.

Prior to their hire, applicants must have received a PhD degree in materials science, electrical engineering, physics, or a closely-related field. Selected candidates will be expected to develop an innovative, externally-funded research program, while teaching in a related program in the College of Engineering and Science. These positions include a reduced teaching load, but candidates should demonstrate a commitment to high-quality teaching. Applicants must be able to supervise PhD students in fundamental research projects, and demonstrate excellent written and oral communication skills.

Interested candidates should send curriculum vitae with a one-page statement of professional interests and goals to James L. Maxwell, Director, Institute for Micromanufacturing, 911 Hergot Avenue, Louisiana Tech University, Ruston, LA 71272; e-mail: maxwell@coes.latech.edu. Review of applications will begin **November 1, 1998** and will continue until all positions are filled.

Louisiana Tech is an equal opportunity, affirmative action employer. Women and minorities are encouraged to apply.

HEAD
Department of Materials Engineering
Drexel University

The College of Engineering invites applications and nominations for the position of Professor and Head of the Department of Materials Engineering. The successful candidate must be a dynamic individual with demonstrated leadership skills, possessing a clear vision of future directions for the discipline of materials science and engineering, and the managerial skills to promote implementation of that vision. The successful candidate must also have a demonstrated commitment to excellence in both teaching and research in metallurgy or polymers. An earned doctorate is required.

The Department of Materials Engineering has 15 tenure stream and research faculty, embracing the areas of metallurgy, ceramics and polymers, electronic, composite, and biomaterials. One of the major research thrusts is in materials processing. The Department offers BS, MS, and PhD degrees in materials engineering. It is anticipated that the appointment would begin on September 1, 1999. An earlier starting date is also possible.

To ensure full consideration, applications should be received by **December 15, 1998**. However, applications will be accepted until the position is filled. Interviews will be conducted during the fall quarter of 1998. The appointment as Head of the Department is for five years and is renewable. Send applications in hard copy to Chair, Search Committee, Department of Materials Engineering, Drexel University, Philadelphia, PA 19104. Send nominations by e-mail to barsoumw@post.drexel.edu. Further information about the Department can be found at www.materials.drexel.edu/.

Drexel University is an affirmative action/equal opportunity employer and encourages applications from women, minorities, and individuals with disabilities.