

Positions Available

**DEAN
College of Engineering
University of Massachusetts, Lowell**

Applications are invited for the position of Dean of the College of Engineering at the University of Massachusetts Lowell. The appointment will commence **June 1, 1995** or as soon as possible thereafter.

The University

The James B. Francis College of Engineering at the University of Massachusetts Lowell traces its origins to 1895, with the founding of the Lowell Textile School. Through 100 years of growth and development, the fundamental purpose of the school has remained constant; to prepare men and women for their entrance into the engineering profession, providing the leading industries in our region with skilled technical professionals, and to foster new technologies and disseminate them to industry.

The College

The College consists presently of seven departments: Chemical and Nuclear, Civil, Electrical, Engineering Technology, Mechanical, Plastics, and Work Environment. It is also home to several interdisciplinary research centers and laboratories and will have substantial connections to the newly created Institute for Massachusetts Partnering and Commercialization of Technology (IMPACT). The college has several unique strengths, including plastics engineering and environmental/work environment programs.

The Position

The primary role of the Dean of the College is to foster excellence in teaching, research, and service by example and through the exercise of vision and leadership. He or she must demonstrate a commitment to quality undergraduate and graduate programs and a record of developing, planning, and evaluating these programs in accordance with ABET guidelines. In addition, he or she will also contribute to the development of new programs as part of an engineering-applied science-management continuum and to initiatives designed to recruit and retain minorities and women. To expand the College's already strong relationship with industry, the Dean must demonstrate the ability to represent the college effectively in interactions with the public and private sectors and to articulate the college's goals and plans to a variety of constituencies. Ultimately, the Dean will guide the college toward meeting the University's goal: that each department in the college be ranked in the top quartile for engineering schools.

Qualifications

The Dean must have a distinguished academic and research record and experience and knowledge of the national research and funding environment, as well as a record of excellence in academic administration.

Salary

The salary is highly competitive with excellent fringe benefits.

The Application

Screening of applicants will begin mid- January and continue until the position is filled. The application should consist of: (1) a letter of application including discussion of educational and administrative philosophy and vision; (2) a curriculum vitae; (3) official copy of doctoral transcript; (4) a list of 6 references (names, addresses, and telephone numbers).

Applications must be addressed to:

Dr. Janice M. Stecchi, Co-Chair, Search Committee for Dean of College of Engineering; College of Health Professionals; University of Massachusetts Lowell; One University Avenue; Lowell, MA 01854; phone: (508) 934-4461; fax: (508) 934-3006; email: StecchiJ@woods.uml.edu.

The University of Massachusetts Lowell is an Equal Opportunity/Affirmative Action, Title IX, H/V, ADA 1990 employer.

**DEAN
New York State College of Ceramics – Alfred University**

Nominations and applications are invited for the position of Dean of the New York State College of Ceramics, a statutory unit of the State University of New York (SUNY) at Alfred University, a private institution of 2,500 students. The College includes the School of Ceramic Engineering and Sciences, the School of Art and Design, and Scholes Library of Ceramics, with 55 faculty, 100 professional, research, and support staff, 750 undergraduates, and 110 graduate students. The annual budget is \$20 million, including growing research funding of \$4 million. The College offers BS, BFA, MS, MFA, and PhD degrees. The Dean is chief administrative officer of the College, reporting to the Provost of Alfred University and the Chancellor of SUNY.

RESPONSIBILITIES: Educational leadership, policy direction, and promotion of academic excellence; preparation and administration of college budgets; long- range planning; supervision of college personnel; representing and promoting the college's interests on campus and to external constituencies; oversight of major research units (Center for Advanced Ceramic Technology, Industry/University Center for Glass Research, Whiteware Research Center), research institutes, and the Museum of Ceramic Art at Alfred.

QUALIFICATIONS: Demonstrated administrative skills and significant academic experience, highest degree in the field; outstanding record in research and teaching; strong leadership and interpersonal skills; ability to communicate persuasively with diverse groups (faculty, students, administrators, industrial representatives, and funding agencies); commitment to improving opportunities for women and minorities; dedication to academic excellence in both art and engineering.

The New York State College of Ceramics, a vital part of Alfred University, is committed to improving the present high quality of its academic and research programs and to embracing new challenges. We seek an outstanding individual to lead this endeavor. Nominations or applications should include a resume and the names, addresses, and telephone numbers of three references. Send to: Dean's Search Committee, c/o Ms. Beth Cartella; New York State College of Ceramics at Alfred University; 2 Pine St.; Alfred, NY 14802. Review of applications will begin on **March 20, 1995**, and continue until a candidate is selected.

The New York State College of Ceramics is an affirmative action/equal opportunity employer and complies with all applicable non-discrimination laws, including the A.D.A.

**FACULTY POSITION IN MATERIALS SCIENCE
Northeastern University**

Northeastern University seeks to enhance its multidisciplinary program in materials science with the appointment of an additional associate or full professor in the Department of Chemistry. The successful candidate will be an established materials chemist who will bring in-depth knowledge of the properties of advanced materials at the atomic and molecular level to collaborations with colleagues from Northeastern's Chemistry and Physics Departments and College of Engineering. The successful candidate must also be committed to excellence in chemical education at the graduate and undergraduate levels.

Northeastern has begun construction of the 95,000 ft.² Egan Science & Engineering Building which will serve as the center for materials research on our Huntington Avenue campus. The University's central location, tradition of cooperative education, and collaborative research programs with industry and with other academic institutions in the Boston area make it an exciting venue for advanced study in materials science.

Applicants should send a resume, the names of three references, and start-up funding requirements to: Prof. Tom Gilbert; Department of Chemistry; Northeastern University; 360 Huntington Avenue; Boston, MA 02115. The deadline for receipt of applications is **March 31, 1995**.

Northeastern University is an Equal Opportunity/Affirmative Action/Title IX University. Applications from minority candidates and women are particularly encouraged.

Positions Available

FACULTY POSITION IN PROCESSING OF ADVANCED MATERIALS
Department of Materials Science and Engineering Stanford University

The Department of Materials Science and Engineering at Stanford University invites applications for a tenure track position at the assistant professor level in the area of processing of advanced ceramic materials. Applicants should hold an earned doctorate in materials science and engineering or in a related field, and should have outstanding potential for establishing an independent research program, and for teaching materials science at the graduate and undergraduate levels. The applicant should also have the ability to work in an interdisciplinary environment, as participation in interdepartmental programs and interaction with students and faculty in other disciplines will be expected. We are interested in an individual with research and teaching experience in materials chemistry relating to the processing of advanced ceramics or ceramic-matrix composite materials. Other individuals with truly exceptional promise in materials science and engineering who have outstanding records of accomplishment in closely related areas of research and teaching will also be considered. We especially encourage women and minority candidates to apply for this position as we are committed to building diversity in our faculty.

We would expect the candidate to develop programs with a strong component of experimental research on the synthesis and processing of high performance ceramic materials, such as structural ceramics, ceramic-matrix composites, and advanced ceramics for device applications. Ideally such research would contribute to and benefit from the current department program on the micromechanical behavior of advanced ceramic materials and would also contribute to the Stanford effort in electronic device materials. We also seek an individual whose research would benefit from the Stanford environment of advanced materials characterization and analysis techniques.

We seek an individual who is also committed to excellence in teaching and to the mentoring of students. The successful candidate will be expected to contribute to the teaching program of the department by offering core courses in materials chemistry, thermodynamics, and kinetics as well as more specialized courses on synthesis and processing of materials. Applications should include a summary of educational and professional backgrounds, a current list of published work, evidence of teaching experience, and the names of at least three referees who may be consulted by the search committee regarding the candidate's work. An indication of how the candidate's experience matches the position described above should also be given. The appointment is expected to be made during the 1995-1996 academic year; applications should be submitted by **May 31, 1995** to:

Prof. William D. Nix, Chairman, Department of Materials Science and Engineering
 Stanford University, Stanford, CA 94305-2205
 phone: (415) 725-2605, fax: (415) 725-4034, e-mail: nix@Sierra.stanford.edu

Stanford University is an equal opportunity employer and specifically invites and encourages applications from women and minorities.

ASSISTANT PROFESSOR
University of California, San Diego

University of California, San Diego, Department of Applied Mechanics and Engineering Sciences invites applications for tenure track assistant professor position to start July 1995 (subject to availability of funds). Candidates at an associate professor level with outstanding record of accomplishment will be considered. Candidates sought with demonstrated research record in area of dynamic processes in high performance materials, encompassing (a) dynamic deformation/fracture, (b) dynamic synthesis/processing, (c) dynamic probing into materials (NDE, laser, ultrasound, optical probes, etc.) UCSD has an interdisciplinary graduate Materials Science Program and a leading group of investigators working in dynamic deformation, fracture, shock synthesis/consolidation, and combustion. The Institute for Mechanics and Materials is dedicated to fostering connections between mechanics and materials in education, research, and technology dissemination. The successful candidate will develop and direct research programs to collaborate with existing researchers, complementing their activities, and teach undergraduate/graduate classes in mechanical engineering/materials science. Doctorate or equivalent degree required. Level of appointment and salary, within UC guidelines, commensurate with qualifications. Send detailed CV and names/addresses of five professional references by **April 30, 1995** to: Prof. M.A. Meyers; Search Committee Chair; UCSD; AMES-0411; La Jolla, CA 92093-0411.

UC is an Equal Opportunity/Affirmative Action Employer.

FACULTY POSITION
Metallurgical and
Materials Engineering
Michigan Technological University

A tenure track position is available in the Department of Metallurgical and Materials Engineering at Michigan Technological University at the assistant or associate professor level. A doctoral degree in materials or a closely related field is required. The successful candidate will have demonstrated potential to develop strong programs of teaching and sponsored research in materials engineering. Applicants with expertise in materials processing, as well as those with industrial experience and/or interests in collaborative research with industry, are especially encouraged to apply. Candidates should send a vita with a list of publications, a short (less than one page) summary of research and teaching plans and interests, and the names and addresses of three references to:

Faculty Search Committee
 Department of Metallurgical and
 Materials Engineering
 Michigan Technological University
 1400 Townsend Dr.
 Houghton, MI 49931-1295

Michigan Technological University is an equal opportunity educational institution and equal opportunity employer.

EDUCATION

CHAIRPERSON AND PROFESSOR
MATERIALS SCIENCE

The Materials Science Program at the University of Delaware invites applications for the position of Chairperson, tenured Professor of Materials Science. Preference will be given to candidates whose research is in the area of electronic materials, new materials or materials physics. The successful candidate will be expected to provide leadership for future development of the Program and to contribute to its teaching and research activities. An earned doctorate in an appropriate materials-related discipline is required, along with an outstanding record of achievement in scholarly research and administration. The Materials Science Program, housed in the College of Engineering, is an expanding interdisciplinary graduate program which currently comprises 36 Doctoral and Masters students and 7 affiliated faculty. Present research concentrations are in polymers, composites and electronic materials. Curriculum vitae and names of three references should be sent to **Chair Search Committee, Materials Science Program, 102 Spencer Laboratory, University of Delaware, Newark, DE 19716-3106 by March 31, 1995.**

The UNIVERSITY OF DELAWARE is an Equal Opportunity Employer which encourages applications from
 Minority Group
 Members and
 Women.



Positions Available

UNIVERSITY OF
OXFORDCookson Professorship of
Materials

The electors intend to proceed to an election of the Cookson Professorship of Materials with effect from 1 October 1995. The stipend of the professorship is at present £35,859 per annum.

A non-stipendiary professorial fellowship at St Catherine's College is attached to the professorship.

Applications (ten copies, or one only from overseas candidates), naming three referees should be received not later than 27 March by the Registrar, University Offices, Wellington Square, Oxford OX1 2JD, England, from whom further particulars may be obtained.

The University is an Equal Opportunity Employer.

GRADUATE FELLOWSHIP
Michigan Technological University

Graduate fellowship for research in applied experimental physics/materials science. Applied research in properties of aerospace coatings for earth-orbiting spacecraft, planetary spacecraft, and commercial jet aviation. Participation with NASA in-space experiments program. Good experimental skills and keen interest in space exploration and technology necessary. MS or PhD studies. Interdisciplinary academic program in Atmospheric Remote Sensing available. U.S. citizen or permanent visa. *Women and minorities encouraged to apply.* Contact J. Cordaro; Department of Physics; Michigan Technological University; Houghton, MI 49931-1295. Internet jcordaro@phy.mtu.edu.

Michigan Technological University is an equal opportunity educational institution/equal opportunity 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.

Out of Order

No ordinary article is *order* of any form. Noticed more in short supply. Now short's become the norm. Take solace that for every "out of *order*" sign you see, well-planned obsolescence helps the nation's GDP. A private under *orders* chafes against his yoke. Generals placing *orders* leave civil programs broke. Marvel at the *orders* of magnitude between atoms in the STM and cosmos yet unseen. Law and *order* is the code for measures that fight crime, a form of indecorum bred in inner city grime. Laws however do far more than carved stone tablets preach. They're how our legislatures invariably reach the lining of our purses and redistribute wealth to good works such as science and West Virginia's health. Our legislators have now stood *order* on its head by demanding answers well before the question's even read. Technology is, it seems, good for all our woes, so invent that product now before anyone even knows the fundamental science that feeds the enterprise but looks like an entitlement in budget cutters' eyes. As night does surely follow day, that is election day, the only sure result is priorities go astray. Marching *orders* wrong way round from off the very Hill where rules of Robert, one would think, should govern every bill. The point of *order* is to stop the funding of a table top while allocating to the dregs the source of funding for the legs. Perhaps a quote* or two will help the Members of this *order* to navigate their way back home across the beltway border:

"Whether these forms be in all cases the most rational or not is really not of so great importance" when it's money they allot.

"It is much more material that there should be a rule to go by than what that rule is" lest research funding have no plan,

"[t]hat there may be a uniformity of proceeding in business, not subject to the caprice of the chairman" or with malice toward research begot.

"[N]or [subject to the] captiousness of the members" who can't loot the treasure that is science yet expect to reap its fruit.

"It is very material that *order* be preserved" and science in the vanguard is the *order* most deserved.

To first *order* it appears a point of little note, that there are rules through debate leading to a vote, but in *order* to relieve our field of long-term doubt, *order* must be restocked so it never again runs out.

E.N. KAUFMANN

*from Henry M. Robert, *Robert's Rules of Order* (1915 edition) as reprinted in *Robert's Rules of Order Revised* (William Morrow and Company, New York, 1971) p. 14.