

Positions Available

Senior Scientific Associate

The Condensed Matter and Analytical Sciences Division of Lawrence Livermore National Laboratory has an opening for a Senior Scientific Associate to provide technical support to Laboratory research programs in the area of electron microprobe analysis. The successful candidate will be responsible for implementing an upgrade of the Laboratory's electron microprobe capabilities, overseeing day-to-day operations of a number of analytical instruments, and developing/applying state-of-the-art electron microprobe and SEM techniques. The incumbent will also be expected to coordinate the activities of an analytical group and provide technical direction to its members in the areas of instrument development, data acquisition and data analysis.

Requirements: Candidates should have a degree in Material Science, Earth Science, or related field, a demonstrated record of research, and **significant experience** operating and maintaining electron microprobes and SEMs. Experience with JEOL microprobes and Tracor Northern analysis systems is desirable.

LLNL offers a challenging work environment and an attractive salary/benefits package. Send resume to: **Phil Harding, Professional Employment Division, Lawrence Livermore National Laboratory, Dept. A92128CH, P.O. Box 5510, L-725., Livermore, CA 94550.** U.S. citizenship required. Equal Opportunity Employer.

University of California



SENIOR MATERIALS/CERAMICS PROFESSORS

**Department of Materials
Science and Engineering
Ohio State University**

The Department of Materials Science and Engineering in the College of Engineering invites applications and nominations for one or two senior faculty positions. An applicant should present a distinguished record of significant achievement in the science and technology of materials. For one position, expertise in materials chemistry and processing of ceramic materials is preferred.

Strong interests in teaching and research are required. The ability to attract external funding for fundamental research studies is expected. The position promises to yield extensive collaborative efforts with both senior and junior faculty members.

An applicant should send a professional resume with a list of five references to:

Prof. Robert A. Rapp
Department of Materials Science & Engineering
Ohio State University
116 West 19th Ave.
Columbus, OH 43210

Ohio State University is an Equal Opportunity Employer.

CHAIRPERSON

**Department of Materials
Science and Engineering
Ohio State University**

A Chairperson is being sought for this Department in the College of Engineering offering BS, MS and PhD degrees in metallurgical engineering, ceramic engineering, and materials science and engineering. The Department has about 150 undergraduate majors and about 100 graduate students. A comprehensive and diversified program in the science and engineering of materials is presented by a full-time faculty of about 25. The research budget is maintained usually at an annual level of about \$4M.

The candidate for Chairperson must present a record of distinguished teaching and research, equivalent to the level of a senior professorial appointment. Experience in leadership capacities and financial management is desirable. The candidate must be familiar and successful in attracting external funding leading to fundamental research studies. Interviewing of candidates will begin on or around March 2, 1992, and the position will be filled as soon as an outstanding applicant is identified.

Interested applications should send their resumes, with a list of five references to:

Prof. Hamish L. Fraser
Chairperson of the Search Committee
Department of Materials Science and Engineering
Ohio State University
116 West 19th Avenue
Columbus, OH 43210



Ohio State University is an Affirmative Action/Equal Opportunity Employer.

**FACULTY POSITION
Department of Materials
Science and Engineering
Ohio State University**

The Ohio State University Department of Materials Science and Engineering is seeking qualified applicants for a senior-level tenure-track faculty position in manufacturing processes and structure-property relations and control. Candidates should have research and teaching interests in one or more of the following areas: manufacturing processes for alloys, ceramics, polymers, and/or composites and structure-property relations as influenced by processing history.

A PhD is required and candidates with industrial experience are preferred. Faculty rank will be commensurate with qualifications and experience. The Faculty member selected for this position will be expected to participate in the college-wide interdisciplinary manufacturing systems and engineering programs and develop an active manufacturing-related research program. The faculty member will also have the opportunity to participate in the research programs of the NSF Engineering Research Center for Net Shape Manufacturing.

Send current resume plus names and addresses of three references to:

Prof. Carroll Mobley
Department of Materials Science and Engineering
Ohio State University
116 West 19th Avenue
Columbus, OH 43210

Ohio State University is an Affirmative Action/Equal Opportunity Employer.

Positions Available

UNIVERSITY OF FLORIDA
Department of Materials Science and Engineering
Faculty Position/Corrosion

A tenure-track position is available for qualified individuals with expertise in the area of environmental stability of materials (e.g. corrosion, oxidation, etc.).

Candidates will be expected to teach graduate and undergraduate courses and to initiate and sustain a vigorous sponsored research program in his/her area of expertise. Positions may be offered at the level of assistant, associate or full professor depending on the qualifications of the individual candidate. Applicants must have a PhD in materials science and engineering or closely related field with two years similar experience.

The Department currently has 26 faculty, 160 upper division undergraduate, and 140 graduate students with substantial and sustained research funding and academic programs in biomaterials, ceramics, electronic materials, metals, minerals and polymers.

The deadline for submission of applications is **April 1, 1992**. Applicants should submit a cover letter specifying interest together with curriculum vitae and three letters of recommendation to:

Search Committee Chairperson
c/o Corrosion Position
University of Florida
Gainesville, FL 32611-2066

The University of Florida is an Equal Opportunity/Affirmative Action Employer.

UNIVERSITY OF FLORIDA
Department of Materials Science and Engineering
Faculty Position/Magnetic Materials

A tenure-track position is available for qualified individuals with expertise in the area of processing and characterization of magnetic materials.

Candidates will be expected to teach graduate and undergraduate courses and to initiate and sustain a vigorous sponsored research program within the Department and in collaboration with the National High Field Magnetic Laboratory at Florida State University and Los Alamos National Lab. Positions may be offered at the level of assistant, associate or full professor depending on the qualifications of the individual candidate. Applicants must have a PhD in materials science and engineering or closely related field with two years similar experience.

The Department currently has 26 faculty, 160 upper division undergraduate, and 140 graduate students with substantial and sustained research funding and academic programs in biomaterials, ceramics, electronic materials, metals, minerals and polymers.

The deadline for submission of applications is **April 1, 1992**. Applicants should submit a cover letter specifying interest together with curriculum vitae and three letters of recommendation to:

Search Committee Chairperson
c/o Magnetic Materials Position
University of Florida
Gainesville, FL 32611-2066

The University of Florida is an Equal Opportunity/Affirmative Action Employer.

CHAIRPERSON
Department of Mechanical
Engineering and
Engineering Science

The University of North Carolina at Charlotte currently seeks a Chairperson for the Department of Mechanical Engineering and Engineering Science. The Department, one of five in the College of Engineering, has 17 faculty positions and its research and teaching activities include mechanical systems and controls, thermal and fluid science, materials science, precision engineering, biomechanics, and nanotechnology. The Department offers undergraduate and masters degrees and doctoral level work is offered in conjunction with N.C. State University. The Department is authorized to plan for a campus-based PhD in mechanical engineering with focus in the areas of precision engineering computer-integrated manufacturing and materials. The University is firmly committed to providing resources and opportunities to promote technological research. The C.C. Cameron Applied Research Center has 75,000 sq. ft. and houses specialized research laboratories, offices, and various support facilities.

UNC Charlotte is one of the largest institutions in the University of North Carolina system. Located on a 1,000-acre campus adjacent to University Research Park, the university serves more than 15,000 students. Charlotte, the largest city in the Carolinas, is an attractive and varied community which offers a host of cultural, educational, and social activities.

The Department seeks a leader who has a vision of the future and who can work effectively with administrative and faculty colleagues, students, and staff. The successful candidate must hold an earned doctorate or equivalent experience in mechanical engineering or a related area, be nationally or internationally recognized for achievements in research and/or educational activities, and be eligible for appointment to the rank of professor. Prior administrative or industrial experience and/or professional registration are desirable.

Nominations and letters of application including a curriculum vitae and the names and addresses of four references should be addressed to: Raymond Frankle, Atkins Library, UNC Charlotte, Charlotte, NC 28223. Applications received by **April 15, 1992**, will be given full consideration although applications will be accepted until the position is filled.

AA/EOE.

Ad Closing for the June MRS Bulletin is May 1, 1992.

Call Mary E. Kaufold at (412) 367-3036 today!

Positions Available

TENURE-TRACK MATERIALS SCIENCE POSITION

Bowling Green State University anticipates appointment of a physical scientist, materials scientist, or engineer to participate in building a program of research and instruction in materials science, with interactions with researchers in physics, chemistry, and the Center for Photochemical Sciences. Successful candidate should have interest and experience in one of the following research fields: 1. development of novel photoresponsive materials, or materials synthesized using radiative methods; 2. preparation and development of materials with important electrical/magnetic applications (e.g., magnetic thin films); 3. development and investigation of important properties of polymer composites or other composite materials. Novel proposals in materials research will also be considered. The University is prepared to provide substantial support for program initiation. Tenure-track appointment at associate or assistant professor level in physics, depending upon qualifications. Send all applications and three letters of recommendation to: Dr. R.I. Boughton, Dept. of Physics and Astronomy, Bowling Green State University, Bowling Green, OH 43403.

Bowling Green State University is an equal opportunity employer.

SOLID STATE INORGANIC CHEMIST

The Department of Chemistry at Arizona State University is seeking an individual with expertise in the synthesis and structural study of solid state inorganic materials to fill a tenure-track position. Research in solid state chemistry at Arizona State University is highly interdisciplinary and strong links exist with the Physics and Engineering Departments at ASU, through the interdepartmental Center for Solid State Science. Rank is open. PhD required. Application materials, including curriculum vitae, list of publications, statement of research plans and teaching interests, and three letters of recommendation, should be sent to: Dr. Paul F. McMillan, Chair, Solid State Search Committee, Department of Chemistry, Arizona State University, Tempe, AZ 85287-1604. Review of applications will begin on March 1, 1992 and continue on a monthly cycle until position is filled.

ASU is an Equal Opportunity/Affirmative Action Employer.

**MATERIALS SCIENTIST
Protein Polymer Technologies, Inc.**

Protein Polymer Technologies, Inc. has created and is commercializing unique and proprietary engineered protein polymers targeted toward a wide variety of biomedical and specialty industrial markets. Like natural proteins, these polymers can regulate the function of complex biological systems. Like synthetic polymers, these proteins can be processed into a wide range of application specific forms, whether as coatings, films, gels, or fibers.

A senior position is immediately available for a self-motivated individual who can make significant contributions in the development of polymer processing techniques and in the characterization of material properties. Candidates should also be able to assist in the design of new polymers.

Qualified candidates should have a PhD in a relevant field and at least 5 years of corporate experience with a successful track record. A strong background in medical devices, biomaterials, and both protein and synthetic polymer characterization is highly preferred.

If you seek the challenge of building a pioneering materials science capability, please forward your resume, in confidence, to: Protein Polymer Technologies, Inc., Dept. M3, 10655 Sorrento Valley Rd., 1st Floor, San Diego, CA 92121.

An Equal Opportunity Employer.

**FACULTY POSITION
Chemical Engineering
University of Houston**

The ChE Department seeks candidates who show exceptional promise for establishing innovative research and educational programs. Disciplinary background is less important than focus and vision. Rank and salary are open. Please send a curriculum vitae, a detailed description of research and teaching interests, names of at least three references and sample publications to: Prof. Raj Rajagopalan, Faculty Search Committee, University of Houston, Houston, TX 77204-4792.

UH is an equal-opportunity/affirmative-action employer and invites applications from qualified women and minorities.

Services/Equipment

Perkin-Elmer Model 590 Scanning Auger Microprobe for sale. System includes specimen intro. and fracture stage. Currently in good operating condition and under factory service contract that may be transferred to new owner, subject to manufacturer's approval. Will accept best offer over \$85,000. Buyer responsible for crating, shipping, transportation and installation. For additional details write: J.P. Engel, Michigan Technological University, Purchasing Dept., 1400 Townsend Drive, Houghton, MI 49931; telephone (906) 487-2510, or fax (906) 487-2245.

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

ION MILLS

REBUILT

- Technics MIM—TLA20-IV—8" Beam Multiple Work Platens
- Technics MIM—TLA12.5—5" Beam Ion Mill/Secondary Ion Deposition
- Technics MIM—IV C—2mm Beam 2 Guns—For Thinning TEM Specimens
- Veeco Microtech—3" Beam



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