Positions Available

IMMEDIATE OPENINGS
for Qualified Research Professors, Research Associate Professors, Research Assistant Professors, Senior Scientists, Research Scientists, Research Associates, Postdoctoral Fellows

Texas Center for Superconductivity at the University of Houston

Multiple Positions with experience in **HTS Materials**: HTS crystal growth; microstructure and macroscopic studies; theories closely coupled with experiments; Raman spectroscopy/FTIR; **Applied HTS**: thin and thick film processing and applications; HTS bulk applications, including levitation and electro-mechanical devices for TCSUH Flywheel Program; **Advanced Oxides**: synthesis, characterization and applications of GMR, ferroelectrics, conductors, and catalysts.

The Texas Center for Superconductivity at the University of Houston (TCSUH), a leading multidisciplinary research component of the University of Houston, was created in June 1987 to establish a world-class center to conduct long-term, multidisciplinary research and development in HTS. Over 250 research professionals and graduate students from the disciplines of chemistry, physics, chemical engineering, electrical engineering, and mechanical engineering work in a synergistic environment to conduct basic and applied research, facilitate technology development and transfer in HTS and related material research, and provide advanced and public education in the sciences and engineering. TCSUH has developed a strong patent position and has established the TCSUH Research Consortium to increase its collaborative efforts with industry and transfer technology to the commercial sector.

Multiple openings are available for highly motivated, talented research professors, research associate professors, research assistant professors, senior research scientists, research scientists, research associates, and postdoctoral fellows depending upon qualifications. Most appointments are for two-year terms, but may be renewed based on performance. A PhD or equivalent in an appropriate field is required. Salary is commensurate with experience. Nominations or applications should send a curriculum vitae, a complete list of publications, evidence of research ability, a statement of research, and the names and addresses of at least three references to:
HTS Materials & Physics: Dr. Paul C.W. Chu; HTS Applications: Dr. Wei-Kan Chu; Advanced Oxides: Dr. Allan J. Jacobson, Texas Center for Superconductivity at the University of Houston; Houston, Texas 77204-5932

TcSUH

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

FACULTY POSITION IN ELECTRICAL ENGINEERING OPTOELECTRONICS/ NANOELECTRONIC SCIENCES
Brown University

The Division of Engineering at Brown University announces the opening of a tenure-track assistant professor, three year renewable position in electrical engineering, expected to be filled by July 1, 1996. Applications are invited from candidates who have a PhD or equivalent degree in electrical engineering, applied physics, or physics, and who possess a demonstrated record of accomplishment in experimental research with optoelectronics, nanoelectronic devices, and/or optical and electronic materials sciences. Areas of preferred specialty include applied condensed matter research such as semiconductor lasers, nonlinear optics, liquid crystal and polymeric displays, field omission and quantum transport devices, especially in the context of nanoscale structures and novel materials. The position is part of an active program in electronic materials and devices at Brown which includes major new facilities. The appointee will be expected to teach undergraduate and graduate courses in the appropriate area of specialty in Electrical Engineering and in the Engineering Core Curriculum, and to conduct significant, independent research. For full consideration, please respond by **February 1, 1996**. Complete resumes, including the names of at least three references should be sent to: Prof. Arto Nurmikko, Search Committee Co-chair; Division of Engineering; Box D; Brown University; Providence, RI 02912.

Brown University is an affirmative action/equal opportunity employer.

ASSISTANT/ASSOCIATE/FULL PROFESSOR
Mechanical Engineering Department
Florida International University

The Department of Mechanical Engineering of Florida International University invites applications for a tenure-track faculty position for Fall 1996 in the area of:

Polymer Science or Ceramic Materials (Assistant/Associate/Full Professor)

The duty of the position includes teaching undergraduate/graduate courses, developing externally funded research, supervising undergraduate/graduate students, and professional service. Candidates for senior position should have an outstanding record of scholarly achievements, funded research, and intellectual leadership in research and education. Applicants for junior position must demonstrate evidence of scholarly activity in their field of expertise. Successful candidates must have a PhD in material sciences engineering or related fields with strong teaching and research interests and potential. Candidates should demonstrate evidence of effective communication skills. Rank and salary will be commensurate with experience.

Women and minority candidates are encouraged to apply for these positions. Applicants should send their curriculum vita along with the names of three references, indicating the position of interest, to:
Dr. K.H. Wu, Chair, Search & Screen Committee, #513
Department of Mechanical Engineering
Florida International University, Miami, FL 33199
Phone: (305) 348-3146

The deadline for the receipt of applications is **February 1, 1996**.

Florida International University, the fastest growing university in the Florida State University System, has approximately 27,300 students. Mechanical Engineering is located in a new building with modern facilities and state-of-the-art equipment.

The University is located in an expanding industrial community where an ideal climate and multi-ethnic, metropolitan population of 4.2 million continue to attract high technology companies. This dynamic environment provides challenging opportunities for individuals who are committed to building a nationally recognized program.

Florida International University is an equal opportunity, equal access, affirmative action employer.

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Positions Available

CHAIRPERSON
Department of Materials Science and Engineering
The Ohio State University

A chairperson is sought for the Department of Materials Science and Engineering at The Ohio State University. This department is part of the College of Engineering and offers BS, MS, and PhD degrees in ceramic engineering, materials science and engineering, and metallurgical engineering. The department serves about 150 undergraduate majors and about 100 graduate students with 22 full-time faculty. The department has a research budget of approximately $4M annually.

The candidate for Chairperson must present a record of distinguished research and education. Experience in leadership positions and financial management is desirable. The candidate must be familiar and successful with attracting external funding leading to research and educational programs. Interviewing of candidates will begin on or around November 1 and the position will be filled on or after July 1, 1996, when an outstanding individual is identified.

Interested applicants should send their résumés, with a list of five references to:

Glenn S. Daehn
Mars G. Fontana Associate Professor of
Metallurgical Engineering
Department of Materials Science and Engineering
The Ohio State University
2014 College Road, Columbus, OH 43210

THE OHIO STATE UNIVERSITY

The Ohio State University is an Equal Opportunity/Affirmative Action Employer. Qualified women, minorities, Vietnam-era veterans, disabled veterans and individuals with disabilities are encouraged to apply.

TENURE-TRACK FACULTY POSITION
University of California, Santa Barbara

The Department of Materials at the University of California, Santa Barbara invites applications for a tenure-track faculty position available July 1, 1996, or sooner, in the area of the use, application, and development of computer modeling and simulation in materials science and engineering, with particular emphasis on electronic and optical materials. The Materials Department has a multidisciplinary focus on such areas as: electronic materials, inorganic materials, macromolecules, structural composites, materials processing. Applicants should have a desire to pursue interdisciplinary research within the framework of the department and in the context of a College of Engineering initiative in numerical simulation. Individuals are encouraged to apply who have interests in electronic structure (and related) calculations and familiarity with large scale/parallel computational methods.

Responsibilities include teaching both undergraduate and graduate courses and developing a strong research program. A PhD or an equivalent degree and evidence of excellent teaching and research are required. A joint appointment with the Department of Electrical and Computer Engineering at UCSB is possible.

To ensure full consideration, applications should be received by the Department by **December 1, 1995**. Candidates should send a resume containing teaching and research accomplishments and the names of at least three references to:

Prof. David R. Clarke, ATTN: ES-01, Department of Materials
University of California, Santa Barbara, CA 93106-5050

An Equal Opportunity/Affirmative Action Employer.

FACULTY POSITION
Department of Materials Science and Engineering
Iowa State University

The Department of Materials Science and Engineering at Iowa State University has a tenure-track faculty opening at the Assistant Professor level. Applicants must have a PhD in a materials-related field and a strong interest in both teaching and research. While exceptional candidates in all areas of materials science and engineering will be considered, the department has a particular interest in those with industrial experience and a background in corrosion, chemical, and/or physical metallurgy.

Duties will include teaching at both the undergraduate and graduate level and developing a nationally recognized research program. Opportunities for joint research with personnel at the Ames Laboratory of Iowa State University are available.

The position is available August 15, 1996. Applicants should send by **January 31, 1996**, a letter of interest, a vita (with citizenship or visa status), a statement of current and future research interests, and the names of three references to: Prof. Mufit Akinc, MSE Department; 3053 Gilman Hall; Iowa State University; Ames, IA 50011.

An Equal Opportunity, Affirmative Action Employer.

LOEWY CHAIR IN MATERIALS FORMING AND PROCESSING

The Department of Materials Science and Engineering at **Lehigh University** has an opening for a senior (associate/full) professor to fill the Loewy Chair. The successful candidate must have an established and growing reputation in the area of materials forming and processing, with strong ties to manufacturing desirable. It is expected that independent and cooperative (multidisciplinary) programs will be developed. Demonstrated expertise in undergraduate and graduate teaching is strongly desired.

Curriculum vitae and the names of three references should be sent by February 1, 1996 to:

Professor Martin P. Harmer
Chairman, Search Committee
Materials Research Center
Lehigh University
5 East Packer Avenue
Bethlehem, PA 18015-3195 USA

Lehigh University is an equal opportunity employer and welcomes applications from all qualified candidates.

POSTDOCTORAL FELLOWSHIPS, GRADUATE FELLOWSHIPS, AND GRADUATE RESEARCH ASSISTANTSHIPS
University of Maryland

The University of Maryland at College Park, Department of Materials and Nuclear Engineering, invites applications for postdoctoral fellowships, graduate fellowships and graduate research assistantships in the areas of materials for nanoelectronics, compound semiconductors for optoelectronics and high frequency rf, and wide bandgap semiconductors, ferroelectrics and metal oxides. These positions are created in connection with a new cooperative agreement for a Microelectronics Research Center with the Army Research Laboratory. Successful candidates are expected to carry out investigations in a highly interdisciplinary research environment. Candidates for postdoctoral fellowships should send their applications or inquiries to: Prof. Aris Christou, Chairman, Department of Materials and Nuclear Engineering; University of Maryland; College Park, MD 20742-2155; Phone (301) 405-5208; Fax: (301) 314-2029; e-mail: gaas@eng.umd.edu. Candidates for graduate fellowships or graduate research assistantships should send their inquiries to: Prof. Isabel Lloyd, Academic Program Coordinator, Department of Materials and Nuclear Engineering; University of Maryland; College Park, MD 20742-2115; Phone: (301) 405-5211; Fax: (301) 314-2029; e-mail: illoyd@eng.umd.edu.

The University of Maryland is an Equal Opportunity Employer.

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Positions Available

Find the New Oregon Trail . . .

Oregon's Silicon Forest is becoming one of the country's fastest growing and most prosperous high-tech centers. SILTEC CORPORATION, one of Oregon's most highly respected firms, is investing nearly $400 million in new facilities to address market needs worldwide. With a moderate cost of living, the country's #1 rated educational system, unsurpassed natural beauty, and a growing high-technology infrastructure, Oregon offers a quality environment. Siltec Corporation's TQM philosophy and employer of choice approach offer unique opportunities.

- **INSTRUMENTATION MAINTENANCE ENGINEER**
- **EQUIPMENT ENGINEERS/PROCESS ENGINEERS**
- **SILICON MATERIALS SCIENTISTS**
- **SILICON CRYSTAL GROWING ENGINEERS**
- **DEVICE ENGINEERS (CMOS/BIPOLAR)**
- **PROCESS ENGINEERS**
  - **Chemical • Cleaning • Polishing**
  - **Mechanical • CVD/Epitaxy**

All positions require appropriate degree and 3 or more years of directly applicable experience. *For immediate consideration please mail or fax your resume and letter indicating position of interest and salary requirements to:* SILTEC CORPORATION, Human Resources/RW, PO Box 7748, Salem, OR 97303. FAX (503) 375-9478. EOE.

siltec
CORPORATION

FACULTY POSITION
Nuclear Engineering Program
University of Missouri-Columbia

The Nuclear Engineering Program at the University of Missouri is seeking candidates for a tenure-track, faculty position to assist in the development of a new emphasis area in materials science. The level of appointment will be commensurate with the applicant's qualifications. Candidates should have strong interests in materials science with demonstrated capabilities for research and graduate level teaching. Candidates should be able to develop a strong research program in cooperation with existing facilities and programs including the 10 MW University of Missouri Research Reactor (neutron scattering, including small angle scattering, reflectometry, inelastic scattering and diffraction, traditional and prompt neutron activation analysis, depth profiling, and other capabilities) and the Particulate Systems Research Center within the College of Engineering. We will be interested in candidates with demonstrated research expertise in synthesis and characterization of polymeric materials, particularly film structures, and with knowledge of scattering techniques.

The Nuclear Engineering Program at UMC is a graduate level only program with emphasis areas in nuclear science and engineering, materials science, particulate systems, and health and medical physics. Candidates should be committed to supervising graduate level students and teaching graduate level courses in nuclear engineering. Applicants may submit resumes, and the names of three references to:

William H. Miller
Professor and Chair
Nuclear Engineering Program
E2433 Engineering Building East
University of Missouri
Columbia, Missouri 65211

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

TECHNICAL MARKETING MANAGER
UES, Inc., Dayton, Ohio

UES, Inc. is a research, development, and technology transfer company providing its customers the most advanced materials R/D, technical support and software products. A full-time position is available in the company for a Technical Marketing Manager.

Responsibilities for the position include planning and developing professional and business contacts, and marketing UES' R/D capabilities.

Qualified applicants should possess a MS/PhD Degree, Metallurgical Engineering/Materials Science/Mechanical Engineering with Materials Emphasis. Preferred technical areas of experience include: Structural Metallic and Ceramic Systems and Composites; Electronic Materials; Materials Processing and Process Modeling; Surface Coatings/Ion Implantation; Lubricants; Simulation Based Design of Castings and Material Forming.

Additional requirements include: 5-10 years Industrial R/D and Government contract R&D experience in Materials related areas, strong aptitude for Marketing, strong desire to succeed and assume full responsibility for R/D business growth and excellent interpersonal skills. Experience in commercialization of R/D and product development will be a plus.

UES offers an excellent salary (+ success-based bonus) and benefits package. Please mail or fax your resume to:

UES Inc. UES, INC.
ATTN: Debbie Yount
4401 Dayton-Xenia Road
Dayton, OH 45432-1894
Tel: (513) 426-6900 • Fax: (513) 429-5413

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Positions Available

Positions Wanted

The following advertisement is from an MRS member 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

PhD (1992) in electronic packaging materials and related issues such as solder alloys, metals, ceramics, thermal/creep-fatigue, electro-deformation, and electro-phase transformation. Experimental skills in mechanical tests, hot-processes, electric measurements, SEM/EDX, TEM, X-ray, DTA/DSC, etc. Educated in metallurgy and materials with minors in solid state physics, engineering mechanics, and chemistry. 28 publications. Seeks R&D or interacting engineer position. U.S. permanent resident. Location and salary open. **Employers—Please reply to Box XX-1101.**

Experienced physicist, PhD, seeks research/academic position. Expertise in III-V, II-VI and wide bandgap semiconductors and devices. Teaching/research experience. Over 80 papers published, 4 books edited. **Employers—Please reply to Box XX-1102.**

Services

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