Positions Available

CHAIRMAN
Materials Science and Engineering Program
The University of Texas at Arlington

Applications and nominations are invited from scientists and engineers for the position of Chairman of the Materials Science and Engineering Program at the University of Texas at Arlington. This multidisciplinary MS and PhD program at UT-Arlington is structured around an expanding core of MS&E faculty complemented by faculty from other departments in both the College of Science and of Engineering. Significant expansion is expected in the program through addition of faculty, increased student numbers, continued improvement of facilities, and equipment acquisition.

The curriculum offered and research efforts under way in MS&E are structured to provide a broad-based education in a variety of materials-related fields. These include physical and mechanical metallurgy, materials characterization, electronic and optoelectronic materials (including semiconductors and superconductors), molecular beam epitaxy, ceramics, biomaterials, polymers, and polymeric matrix and metal matrix composites. Some of the materials related inter-disciplinary research activities presently at UT-Arlington are organized by centers including an NSF/Industry/University Cooperative Research Center for Advanced Electron Devices and Systems, the Center of Composite Materials, the Center for Advanced Polymer Research, and the Center for Positron Studies. Excellent opportunity exists for interaction with local industries such as Texas Instruments, LTV, Bell Helicopter Textron, National Semiconductor, Surgikos, and General Dynamics. In addition, the University is located only 30 miles from the site of the Superconducting Super Collider Laboratory and strongly encourages interaction with the SSC program.

The University of Texas at Arlington is the second largest component of the state-supported University of Texas System with an enrollment of about 25,000 students. This includes the Colleges of Engineering and Science each with about 100 full-time faculty and a combined student enrollment of about 6,800. Research activity in these Colleges has increased substantially over the past few years with 1989-1990 extramural research expenditures of over $6.8 million.

Arlington is a residential community of 250,000 people located in the center of the Dallas/Fort Worth metropolitan area 10 miles south of DFW International Airport. This location provides convenient access to a myriad of entertainment facilities, shopping complexes, and cultural centers.

The individual appointed to this administrative/faculty position will be expected to teach graduate and undergraduate courses and to conduct an active research program in Materials Science and Engineering. Preference will be given to candidates with a proven record of successful academic leadership, teaching, and research. The professorial level of the appointment and salary are open and negotiable.

Letters of application with accompanying vita and names and phone numbers of three to five references will be reviewed beginning March 15, 1991. It is anticipated that on-campus interviews will be held between mid-April and late May and a final selection made in early June 1991. Applications from members of minority groups and women are strongly encouraged. Communications should be addressed to:

Dr. C.I. Smith, Chairman, MS&E Search Committee, Box 19049, UT-Arlington, Arlington, TX 76019. Phone: (817) 273-2987; Fax: (817) 794-5653.

The University of Texas at Arlington is an Equal Opportunity-Affirmative Action Employer.

JOINT FACULTY POSITION
Department of Materials Engineering and Bradley Department of Electrical Engineering
Virginia Tech
College of Engineering

The Department of Materials Engineering and the Bradley Department of Electrical Engineering of Virginia Polytechnic Institute and State University invites applications for a joint appointment in the Materials Engineering and Electrical Engineering Departments. The Associate Professor position will be half-time in each department with teaching and research responsibilities in both.

The Department of Materials Engineering consists of 13 faculty and approximately 80 undergraduate and over 40 graduate students. The curriculum includes topics in the areas of ceramic, metallic, polymeric, electronic and composite materials. Current research funding is approximately $1.4 million annually. Many opportunities exist for interdisciplinary research with centers on campus performing related research.

The Bradley Department of Electrical Engineering has 55 faculty, 1,100 undergraduate students, and 300 graduate students. Annual research expenditures exceed $5 million. The EE Department has many research and teaching laboratories including the Electronic Materials and the Hybrid Microelectronic Laboratories.

Applicants must have an earned doctorate, be interested in undergraduate and graduate teaching, and be willing to secure research sponsorship. Virginia Tech is Virginia's land grant university offering degrees through the PhD. Applications from members of minority groups and women are encouraged.

Send complete resume with references and employment/citizenship status to: Prof. W.L. Stutzman, Chairman, Personnel Committee, Bradley Department of Electrical Engineering, Virginia Tech, Blacksburg, VA 24061. Applications will be accepted until May 15, 1991, or until suitable candidates are selected.

Virginia Tech is an Equal Opportunity/Affirmative Action Employer.

VISITING ASSISTANT PROFESSOR
Materials Science and Engineering
North Carolina State University

Applications are invited for a Visiting Assistant Professor position in the Department of Materials Science and Engineering at the North Carolina State University, to begin in May 1991. The successful candidate is expected to conduct applied and basic research in the CVD of diamond, especially using the microwave plasma and hot filament techniques, and carry out extensive physical characterization (TEM, SEM, Raman, IR, etc.). Areas of expertise must include chemical vapor deposition of diamond films, thin film characterization (surface and bulk structures), as well as plasma characterization. Applicants should have completed a PhD degree in materials science and engineering, solid state science, or other related fields, and demonstrate outstanding research accomplishments in the CVD of diamond thin films and diamond film characterization (especially transmission electron microscopy and Raman spectroscopy). They must have a strong publication record and demonstrated technical presentation skills. Appropriate applicants should also have an interest in supervising graduate research and teaching undergraduate courses. Interested individuals should send a curriculum vitae, including the names of three references, by **March 15, 1991** to: Prof. J.T. Glass, Department of Materials Science and Engineering, Box 7907, North Carolina State University, Raleigh, NC 27695-7907.

The North Carolina State University is an Affirmative Action/Equal Opportunity Employer and encourages applicants from women and minorities.

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Positions Available

GRADUATE ASSISTANTSHIPS

Applications are now being accepted for graduate teaching and research assistantships in chemical engineering. Research areas include materials, waste management, electronic materials and thin films, ceramic powders and coatings, heterogeneous catalysis and surface science, structure and properties of interfaces in ceramics and semiconductors, safety and environmental aspects of process plant design, formation and processing of conventional and superconducting powders, laser-processing, application of expert system software to process economics, colloid processes, geotechnology, characterization of porous materials, transport phenomena, radioactive and mixed waste management, biomedical instrumentation, and alternative energy. Stipends of $10,000-$14,000 plus tuition waivers are provided to qualified individuals. Applicants must have a bachelor's or a master's degree in chemical engineering or nuclear engineering, materials science, chemistry or related fields. For additional information and application forms, contact: Prof. Eric Nuttall, Graduate Adviser, Department of Chemical and Nuclear Engineering, Farris Engineering Center Room 209, University of New Mexico, Albuquerque, NM 87131-1341; Telephone (505) 277-6112.

GROUP SUPERVISOR/SCIENTIST

THE U.S. BUREAU OF MINES is seeking an experienced materials scientist to fill either a senior researcher or supervisory position in fundamental and applied research on wear and fracture of metallic and ceramic materials. Knowledge and experience are required in physical and mechanical metallurgy, and materials science with experience in wear and fracture processes. Good communication skills are essential. For filling the group supervisor position, the applicant *must demonstrate experience and ability* to supervise three to seven scientists/engineers and technicians. One position will be filled depending upon qualifications of applicants. Position is located in Albany, OR. Salary range is $37 to $57K. Resumes will not be accepted. Application information may be obtained by calling (503) 967-5837 or mailing your request to: Albany Research Center, 1450 Queen Avenue, S.W., Albany, OR 97321, attention: Personnel. U.S. citizenship required.

The Department of the Interior is an Equal Opportunity Employer.

ASSISTANT PROFESSOR

The Department of Materials Science and Engineering at North Carolina State University is seeking qualified applicants with PhD degrees for a tenure track position available August 15, 1991. Research interests should be in either composite materials or polymeric materials. The successful applicant will be expected to develop independently funded research programs, and to teach both undergraduate and graduate courses. Screening of candidates will begin March 15, 1991. Interested persons should submit resumes and at least three references to: Prof. Abdel Fahmy, Search Committee Chairman, Materials Science and Engineering Department, Box 7907, North Carolina State University, Raleigh, NC 27695-7907.

North Carolina State University is an equal opportunity/affirmative action employer.

RESEARCH STAFF

Applications are invited for the position of Manager of Crystal Growth and Materials Processing Laboratory. The position involves supervision of the facility and facility personnel in support of the Materials Research Center research efforts in crystal growth and materials processing. Candidates must have a BS/MS in materials science or physics. Experience with instrumentation development, crystal growth and materials processing is essential, thin film deposition is desirable. The position is available immediately. Applicants should send a resume and all addresses for references to:

Northwestern University
Human Resources Administration
E90-1228
720 University Place
Evanston, IL 60208

EEO-AA Employer. Employment eligibility verification required upon hire.

Advertising Contact:
Mary E. Kaufold
MRS BULLETIN
Materials Research Society
9800 McKnight Road
Pittsburgh, PA 15237
(412) 367-3036
Fax (412) 367-4373

CERAMIC ENGINEERING FACULTY POSITION

Iowa State University

Tenure-track assistant professor position available in the Materials Science and Engineering Department involving teaching of traditional undergraduate ceramic engineering courses and graduate instruction and development of a strong research program in an area of ceramic specialization. Preference given to specialists in one of the following: structural ceramics, electronic/photonic materials, ceramic-based composites, or ceramic processing; outstanding candidates with other ceramic research interests will also be considered. Excellent research facilities and opportunities exist in the Department and at various campus research centers, including the Ames Laboratory. Research start-up funding is available. Salary will be commensurate with qualifications. Candidates must have a PhD degree, preferably in ceramic engineering or in a related area with ceramic emphasis. Position available August 21, 1991. Send resume and letter of interest to: Krishna Vedula, Chairman, Materials Science and Engineering Department, 110 Engineering Annex, Iowa State University, Ames, IA 50011.

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