

**Positions Available**

**FACULTY POSITION**

**Arizona State University**

**Department of Chemical, Bio and Materials Engineering**

Arizona State University, Department of Chemical, Bio and Materials Engineering is seeking applicants for a tenure-track faculty position in the Materials Science and Engineering Program that we hope to be authorized to fill. The position has the rank of Assistant Professor, however, a position at higher rank may be offered to an experienced candidate with a strong record. Applicants holding a PhD degree in materials science and engineering, or a closely related discipline are encouraged to apply and specialists in any of the traditional areas of materials will be considered. However, preference will be given to candidates with a background and interest in materials processing, composite materials, or mechanical properties.

The successful candidate will be expected to develop and externally funded independent research program and to participate actively in program development at both the undergraduate and graduate levels. The ability to develop and teach specialized courses as well as courses in fundamental areas such as mechanical behavior, thermodynamics, materials characterization, and materials processing will enhance the applicant's position.

Applications must be received by **February 1, 1992**, or the first of each succeeding month until the position is filled. Late arriving applications will be considered only if the position remains unfilled. Candidates should provide a current vitae, a summary of research and teaching interests, and a list of three references to: Dr. Lester E. Hendrickson, Chair of the Materials Faculty Search Committee, Department of Chemical, Bio and Materials Engineering, Arizona State University, Tempe, Arizona 85287-6006.

*Arizona State University enforces Affirmative Action hiring policies.*

**PROFESSOR AND CHAIR**

**Department of Materials Sciences and Engineering  
The Johns Hopkins University**

Applications and nominations are invited for the position of professor and chair of the Department of Materials Science and Engineering in the Whiting School of Engineering. The department consists of seven tenured and tenure-track faculty, three research professors, and six faculty with adjunct or joint appointments. About 25 undergraduate students are enrolled in an ABET accredited program, and more than 120 students are enrolled in masters and doctoral programs. The faculty currently direct sponsored research programs funded in excess of \$1M/year. Many faculty in the department are active in the Center for Nondestructive Evaluation.

Candidates for the position should have an earned doctorate in materials sciences, materials engineering, or related field and have a record of outstanding teaching and scholarship. Preference will be given to candidates specializing in physical properties of advanced materials including composites, ceramics, and electronic materials. Candidates must have demonstrated leadership qualities and must be qualified to serve as chair of the department.

Applications should include a resume describing current research and three references. Nominations of qualified women and minorities are especially encouraged. Please respond to:

Dr. Charles R. Westgate  
Chair of MS&E Search Committee  
Electrical and Computer Engineering  
Barton 105  
Johns Hopkins University  
Baltimore, MD 21218  
Telephone: (301) 338-7014  
FAX: (301) 338-5566

*The Johns Hopkins University is an equal opportunity, affirmative action employer.*

**RESEARCH SPECIALIST**

**Surface Research with  
UHV Electron Microscopy**

Applications are invited for an Assistant/Associate Research Specialist, continuing track position in the Department of Physics and Astronomy, Arizona State University, to provide advanced technical support for the UHV electron microscopes within the Facility for High Resolution Electron Microscopy, to assist with the maintenance, development and use of the UHV microscopes and auxiliary equipment, and to participate in related research projects. Applicants should have a BS, preferred MS, in physical science and several years experience with surface science techniques. Knowledge of electron microscopy and computer-based data acquisition is desirable. Applications and the names of three references should be addressed to: J.M. Cowley, Department of Physics and Astronomy, ASU, Tempe, AZ 85287-1504 by December 15, 1991 or the 15th of each month until position is filled. Appointment dependent on final budget approval.

*ASU is an Equal Opportunity/Affirmative Action Employer.*

**RESEARCH SCIENTIST**

Conduct research to study epitaxial growth of semiconductor films and strained layer superlattices of III-V compounds. Investigate surface structures of metals and semiconductors. Characterize metal-semiconductor interfaces utilizing molecular beam epitaxy (MBE), reflection high-energy electron diffraction (RHEED), Auger electron spectroscopy (AES), low-energy electron diffraction (LEED), ultrathin film deposition, and ultrahigh vacuum (UHV). Generate research funding and write proposals for support of research. Oversee research progress of graduate students. Requires PhD in physics, plus one year in job offered or one year as research associate. \$28,000/hr. 40 hrs/wk. Apply at Texas Employment Commission, Houston, Texas, or send resume to Texas Employment Commission, Austin, Texas 78778, J.O. # 6521447.

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