

Positions Available

**FACULTY POSITIONS**

Arizona State University Department of Chemical, Bio and Materials Engineering is inviting applications for two faculty positions. We hope to appoint a full professor with outstanding credentials at a highly competitive salary to one of these positions. The other will be a tenure-track assistant professor. We are especially seeking candidates in materials science and engineering (primarily polymeric composite materials with possible consideration of other areas of structural composite materials) and biochemical or bioengineering (cellular bioengineering, protein engineering or biomaterials with an emphasis on molecular aspects of soft tissue biomaterials). We may have the flexibility to consider outstanding senior candidates in other areas of materials, biochemical or bioengineering. Applicants must hold a PhD or equivalent in materials science and engineering, chemical engineering, bioengineering or a closely related discipline. A strong research orientation is required. Candidates will be expected to teach both graduate and undergraduate courses. The deadline for applications and nominations is **January 15, 1991** or the first of each succeeding month thereafter until the positions are filled. Candidates should provide a current vitae listing educational background, professional experience, publications and a summary of research and teaching interests and a list of three references to: Dr. Stephen Krause, Chairman, Materials Science and Engineering Search Committee, or Dr. Neil Berman, Chairman, Biochemical Engineering/Bioengineering Search Committee, Department of Chemical, Bio and Materials Engineering, Arizona State University, Tempe, Arizona 85287-6006.

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**ARIZONA STATE UNIVERSITY**



**UNIVERSITY OF CALIFORNIA**

A number of temporary positions (research engineers, postdoctoral scholars, lecturers) may be available in the following areas: materials science, ceramics, composite materials, metallurgy. PhD or equivalent experience. Send resume to: C.N.J. Wagner, Acting Chair, Department of Materials Science and Engineering, 5731 Boelter Hall, University of California, Los Angeles, CA 90024-1595.

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**FACULTY POSITIONS**

**University of Missouri-Rolla  
Department of Ceramic Engineering**

The Department of Ceramic Engineering at the University of Missouri-Rolla has openings at the research professor and assistant research professor level commencing January 2, 1991. All visa requirements must be satisfied by January 2, 1991.

Applications for the research professor position must have an earned PhD in materials science/engineering, ceramic science/engineering or a related field and have an established record of significant funded research and publications in the areas of either conducting ceramics, dielectric, ceramic processing or combinations thereof. The successful applicant will have demonstrated her or his ability to carry out research, guide students and solicit funds to develop research programs.

Applicants for the assistant research professor position must have an earned PhD in ceramic engineering, materials science/engineering, or related field and have special interests in the areas of chemistry and mineralogy of starting materials and reacted systems, testing properties measurement, and characterization. Evidence of potential to generate support for and manage a research program is required.

Interested persons should submit resumes and a list of three references to:

Dr. Harlan U. Anderson  
Curators' Professor  
Department of Ceramic Engineering  
University of Missouri-Rolla  
Rolla, MO 65401  
(314) 341-4886

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**Positions Available**

**FACULTY POSITIONS  
Chemical Engineering,  
University of Houston**

The Chemical Engineering Department, University of Houston, plans to add several tenure-track or tenured faculty positions over the next two or three years and solicits applications or nominations. The Department is ranked in the top ten in the U.S. and seeks exceptional candidates who will broaden its current strengths. Research areas are open, although we would like to fill two or more positions in polymers, interface science, composites, advanced materials and ceramic processing or related areas. PhD in any related area is acceptable. Primary emphasis will be on the qualifications, record and potential of the candidates. Rank and salary are open.

Please send a detailed curriculum vitae, research and teaching interests, names of at least three references, and sample publications to:

Prof. Raj Rajagopalan  
Faculty Search Committee  
Department of Chemical Engineering  
University of Houston  
Houston, Texas 77204-4792.

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**FACULTY POSITIONS  
NYS COLLEGE OF CERAMICS**

The Division of Ceramic Engineering and Science announces tenure-track teaching and research positions available Summer 1991. Applicants should have a strong interest and experience in the processing and properties of advanced composites, structural ceramics or electronic ceramics. A genuine interest both in teaching undergraduate and graduate students and in developing contracts for supported research program activities is requisite. Appointments at all professorial levels will be considered depending on qualifications and experience.

The CES Division offers programs in Ceramic Engineering, Ceramic Science and Glass Science with an enrollment of about 375 undergraduate and 75 graduate students. Affiliated with the Division are the NYS Center for Advanced Ceramic Technology and the NSF-Industry Center for Glass Research. Alfred University has been recognized as one of the leading small comprehensive universities in the East. Interested persons should send a complete resume and the names of at least three references to:

**Prof. V. L. Burdick, Chp.  
Division of Ceramic Engineering and Science  
NYS College of Ceramics at Alfred University  
Alfred, NY 14802**

Applications should be received by **January 31, 1991.**

Alfred University is an Affirmative Action/Equal Opportunity Employer.

**SENIOR FACULTY POSITION  
Experimental Condensed  
Matter Physics: Superconductivity  
Kent State University**

KSU invites applications for an appointment at the level of associate or full professor in experimental condensed matter physics. The successful candidate will have a strong record of significant research and the ability to act as leader of a research program in superconductivity; including the recruitment and selection of new faculty. A desire and aptitude for teaching graduate and undergraduate students is essential.

Areas of current strength include liquid crystal physics, critical phenomena, low temperature physics, non-linear optics, computational physics, and medium energy nuclear physics.

Salary is open and commensurate with qualifications. It is understood that substantial institutional support for equipping labs will be provided.

Applicants should send a resume and the names and addresses of references to: Prof. D.L. Johnson, Department of Physics, Kent State University, Kent, OH 44242.

*Kent State University is an affirmative action/equal opportunity employer.*

**POSTDOCTORAL POSITION**

Applicants are invited for a research position for 1991-1992 in the Materials Science Department at UCSB. Appointment will be for one year with the possibility of limited reappointments on an annual basis.

Applicants should possess a PhD in physical sciences. A good background in solid state physics and semiconductor epitaxial growth will be preferable. The work will involve transmission electron microscopy and surface physics experiments and therefore, previous experience with these fields will be desirable.

Please reference position #PD-21 and submit curriculum vitae and names of three references to: Prof. P.M. Petroff, Materials Department, University of California, Santa Barbara, CA 93106, not later than **December 31, 1990**. Proof of citizenship or eligibility for U.S. employment will be required prior to employment (Immigration Reform and Control Act of 1986).

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**RESEARCH SCIENTIST**

Professional position available within a unique industry-university cooperative program in thin-film chemical microsensor research and development. Primary activities involve developing and demonstrating the feasibility of novel detection concepts and subsequent technology transfer to industry. Candidates should possess high motivation and initiative, excellent leadership and communication skills, and ability to work independently and as a member of a team. Salary will be commensurate with qualifications and experience. Send a resume and the names and addresses of three references by **January 1, 1991** to: Dr. William S. Glaunsinger, Director, Chemical Microsensor Technology Program, Department of Chemistry, Arizona State University, Tempe, AZ 85287-1604.

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**Positions Available**

**FACULTY POSITION  
Harvard University  
Division of Applied Sciences**

Applications and nominations are invited for a faculty position in fluid dynamics. An appointment to a tenure-track junior faculty position is anticipated; however, a tenured appointment can be made for an exceptionally qualified candidate.

Responsibilities include active participation in Harvard's undergraduate degree program in engineering sciences as well as in research and teaching at the graduate level.

Applications are welcome from individuals with research interests in experimental, computational, and/or theoretical aspects of areas such as: fluid transport processes; reacting flows; multiphase flows; materials processing; bio-fluid dynamics.

Applications from qualified women and minority group members are particularly encouraged. Applicants should submit bibliographies and curricula vitae and the names, addresses and telephone numbers of three references to: Prof. Frederick H. Abernathy, Chair of the Fluid Dynamics Search Committee, Pierce Hall, Division of Applied Sciences, Harvard University, Cambridge, MA 02138.

*Harvard is an equal opportunity/affirmative action employer.*

**MATERIALS ENGINEERING  
San Jose State University**

The Department of Materials Engineering at San Jose State University seeks PhD in Materials Engineering to fill a tenure-track position. Candidates should show strong commitment to teaching, laboratory development at the graduate and undergraduate levels, and demonstrate capability to carry out an independent research program. Candidates with experience in materials analysis techniques/or electronic materials are especially encouraged to apply. Send application with resume and a list of three references to: K.S. Sree Harsha, Department of Materials Engineering, San Jose State University, San Jose, CA 95192.

*San Jose State University is an equal opportunity educator and employer and specifically invites and encourages applications from women and minorities. Appointments can only be made to permanent residents or citizens.*

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