

**Positions Available**

**MATERIALS ENGINEERING AND SCIENCE**

**University of Missouri-Rolla**

The Metallurgical Engineering Department of the University of Missouri-Rolla is seeking qualified faculty applicants for a tenure-track position at the Associate or full Professor level effective August 1, 1989. The position is being funded by the state-supported Eminence Program in Materials Engineering and Science. The individual will spend 25% time teaching courses in his/her academic department and will also hold the title of Senior Investigator in the Graduate Center for Materials Research with 75% time for conducting research in the area of advanced materials, such as solid-state electronic materials or high-temperature composites. Candidates must possess a PhD in metallurgical engineering or a closely related discipline. The ability to undertake and develop external funding for research in the area of expertise is required.

Applications from women and minorities are especially encouraged. The initial screening of applicants will begin May 1989, although applications will be accepted until the position is filled. Applicants should send their resume and the names and telephone numbers of four references to: Dr. John L. Watson, Chairman, Metallurgical Engineering Department, University of Missouri-Rolla, Rolla, MO 65401.

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

**University of Geneva  
Announces an Opening for a  
FULL PROFESSOR  
in  
COMPUTATIONAL CONDENSED  
MATTER PHYSICS**

The new professor will have the responsibility for research and teaching in computational condensed matter physics. He will in particular have the task to develop the research activities of the Institut Romand de Recherches Numériques en physique des Matériaux (IRRMA) situated at the campus of the Ecole Polytechnique Fédérale de Lausanne. He will assume the direction of this Institute for a certain number of years and it is also expected that he actively participate in the scientific and academic life of the University of Geneva.

The applicant should have a PhD in physics or an equivalent degree. Experience in teaching, leading and management of research groups as well as some experience in university administration is desirable.

Letters of application, a curriculum vitae and a list of publications should be addressed before **June 30, 1989** to: Secrétaire de la Faculté des Sciences, 20, quai Ernest-Ansermet, CH-1211 Geneva 4, Switzerland, where additional information may be obtained.

**VISITING PROFESSOR  
KYOTO UNIVERSITY  
Ion Beam Engineering  
Experimental Laboratory**

This position is to be filled for up to one year by a professor having extensive experience in low or medium energy ion beam physics or engineering related to thin film deposition, surface modification, and surface analysis. Positions at all academic levels will be considered. Emphasis will be on ionized cluster beam deposition, ion beam deposition and modification of organic and inorganic thin films. A wide range of equipment is available for research, including a 400 kV ion implanter, UHV ionized cluster beam deposition systems, AES, XPS, RHEED, SEM, TEM, RBS, x-ray diffraction, ellipsometry, etc. Assistance in finding suitable housing will be given. All faculty and most students in this laboratory speak English. This position will remain open until a suitable candidate is found. Salary will be based on Japanese government standards for visiting professors according to experience. Send letter, resume and the names of three references to:

Prof. Isao Yamada, Director  
Ion Beam Engineering  
Experimental Laboratory  
Kyoto University  
Sakyo, Kyoto 606, Japan  
Telephone 075-753-5951  
Fax 075-751-6774



**POSTDOCTORAL RESEARCH ASSOCIATE  
MATERIALS SCIENCE**

**North Carolina State University**

The Department of Materials Science and Engineering at North Carolina State University has openings for Materials Scientists or Physical Chemists.

Positions are available within an extensive and highly interactive program on a range of oxide thin films (superconductors, ferroelectrics, electro-optical ceramics) as well as wide band-gap semiconductors (SiC and diamond).

The emphasis is on high vacuum processing and characterization techniques. A particular need is for a researcher who has some chemistry background to participate in an exciting new project on the deposition of oxide superconductors using organometallic precursors.

The University is in an attractive location, and a competitive salary and benefits package is offered.

Send resume and the names of three references to:

Prof. Angus I. Kingon  
Department of Materials Science and Engineering  
North Carolina State University  
Box 7907  
Raleigh, NC 27695-7907  
(919) 737-2377 or (919) 737-2377

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