

**Positions Available**

**ASSISTANT PROFESSOR POSITIONS  
Rensselaer Polytechnic Institute  
Materials Science and Engineering Department**

The Materials Science and Engineering Department of Rensselaer Polytechnic Institute is seeking exceptionally well-qualified candidates for tenure-track faculty positions at the Assistant Professor level. The Department has broad interests and world-class expertise in ceramics and glasses, electronic materials, metals, polymers, and composites.

Candidates must have a doctoral degree and an excellent record of accomplishment in materials research. Dedication to high-quality teaching is essential. Responsibilities of these positions include teaching undergraduate and graduate courses, supervision of graduate students, scholarly research, and generation of significant research funding.

Applications will be considered until the positions are filled. Send inquiries and applications, including a statement of research and teaching goals, a list of publications, and a minimum of three references to:

Prof. Richard W. Siegel, Head  
Materials Science and Engineering Department  
Rensselaer Polytechnic Institute  
Troy, New York 12180-3590  
Phone: (518) 276-6373  
Fax: (518) 276-8554



*Rensselaer has a strong institutional commitment to the principles of diversity. In that spirit, we are particularly interested in receiving applications from a broad spectrum of people, including women, minorities, disabled individuals, and veterans.*

**WASHINGTON STATE UNIVERSITY  
Boeing Chair in Advanced Materials  
and Director of the Center for Materials Research**

**Position Description:**

The Boeing Chair in Advanced Materials is available, with tenure or tenure track, and will include instructional responsibilities as well as the responsibilities of the Director of the Center for Materials Research at Washington State University. The Center is a relatively new organization of faculty and students from the Departments of Chemistry, Mechanical and Materials Engineering, and Physics with active research interests in a number of areas in materials science and engineering, such as thin films, laser ablation, fracture, deformation, defects, surfaces, and simulation/modelling. The University intends to expand the scope and level of research being conducted by the Center. Therefore, the responsibilities of the Director will be to plan, develop, organize, and conduct research activities within the Center and to expand its funding base. The Boeing Chair and the Director's position will each be subject to review at the conclusion of an initial five-year term.

**Qualifications:**

An outstanding individual with a PhD in an appropriate field is sought with demonstrated levels of current excellence in research leadership, conduct of applied research, and attraction of funding in areas germane to the activities of the Center. The successful candidate will have joint appointments in the College of Engineering and Architecture and the College of Sciences.

**Inquiries and Applications:**

The effective start date is January 1, 1996. Inquiries may be directed to: Dr. Richard G. Hoagland, (509) 335-8280; Fax: (509) 335-4662, e-mail: hoagland@honcho.mme.wsu.edu. To apply submit a detailed statement of interest, a C.V., and three professional references to: Mrs. Jan Danforth, Department of Mechanical and Materials Engineering, Washington State University, Pullman, WA 99164-2920. Review of applicants will begin September 1, 1995 and proceed until the position is filled.

*Washington State University is an EO/AA educator and employer. Protected group members are encouraged to apply.*

**SENIOR RESEARCH SCIENTIST OR MEMBER OF RESEARCH FACULTY  
University of Virginia**

Applications are invited for the position of head of an established research group dedicated to phenomena between sliding metal interfaces, specifically surface film formation, plastic deformation, tribology, and sliding electrical contacts. The appointment will be made at a level commensurate with the qualifications of the successful applicant initially for one year beginning December 1, 1995 [or within a reasonable period thereafter], with anticipated continuation. *Only* candidates holding a doctorate in physics or materials science or equivalent with a strong background in experimental physical metallurgy and familiarity with analytical electron microscopy should apply. The successful applicant is expected to have a proven record of pertinent scientific accomplishments, including publications in the international literature and preferably experience in supervising graduate students and technicians.

Applicants should submit a curriculum vitae and names of at least three references no later than **September 30, 1995** to: Prof. Robert Hull, Chair, Search Committee; Department of Materials Science and Engineering; University of Virginia; Charlottesville, VA 22901.

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

**FACULTY POSITION  
The Johns Hopkins University  
Department of Materials  
Science and Engineering**

The Department of Materials Science and Engineering at The Johns Hopkins University is seeking applicants to fill a tenure-track faculty position. The position will be offered at a rank commensurate with the qualifications of the successful applicant. The applicant selected will be expected to teach at both the undergraduate and graduate levels, as well as to develop innovative research programs. A genuine commitment to excellence in teaching and supervision of graduate student research is essential. Applications from candidates whose technical interests will broaden the Department's research base into the areas of electronic materials, physical properties of polymers, polymer composite materials, or characterization of electromagnetic properties of materials will be of principal interest for this position. Currently, faculty conduct research in inorganic composite materials, conservation science, electrochemistry, materials characterization, TEM, ceramics, mechanical and physical properties of high temperature materials and thin films, nanomaterials, and non-destructive evaluation. A broad emphasis on materials science within the G.W.C. Whiting School of Engineering provides opportunity as well for interaction with faculty members in other departments who are active in the materials sub-specialties of their own engineering discipline. Additional materials research activities in the School of Engineering include biomimetics, bio-materials, polymers chemistry and processing, high-speed deformation, nano-clustered materials, and electronic devices.

Please send applications, including a curriculum vitae, statement of research interests, and three letters of reference to: James W. Wagner, Chair of Search Committee; Department of Materials Science & Engineering; The Johns Hopkins University; Baltimore, MD 21218.

*Women and minority candidates are especially encouraged to apply. The Johns Hopkins University is an equal opportunity/affirmative action employer.*

**To place a classified ad  
call Mary E. Kaufold  
(412) 367-3036**



## CANADIAN SPACE AGENCY

The Canadian Space Agency is one of Canada's leading Science and Technology centres. It supports world-leading research and technology development for space and terrestrial applications. It provides a unique and challenging environment.

The Canadian Space Agency's Microgravity Sciences Program exploits the unique environment of microgravity to conduct research in materials science and biotechnology.

# Program Scientist

(Materials Science)

Microgravity Sciences Program

**Saint-Hubert, Quebec**

As Program Scientist, in the discipline of Materials Sciences in Microgravity, you will be responsible for the planning of programs, the solicitation and evaluation of proposals for microgravity studies from Canadian scientists and the monitoring of the resulting projects. Your salary will range between **\$37,036** and **\$92,942**.

To qualify for this permanent position, you must have a doctorate degree from a recognized university in a discipline relevant to Microgravity Science. Appropriate areas would include, but are not limited to, solid state physics, crystal growth and fluid mechanics. In addition, you must have extensive experience in carrying out microgravity or materials sciences research projects and experience in the management of resources (both human and others) for research and experimental development activities. Applicants are advised that continuation of the program beyond 1999 depends on the approval of new funding.

Knowledge of French and English is essential. The language requirements for this position are consistent with the government's official languages policy and with the operational requirements of the Microgravity Sciences Program. Please note that language training may be offered. An enhanced reliability check will be conducted prior to appointment.

An eligibility list may be established and used to staff similar or lower-level positions with various linguistic requirements.

Interested candidates should forward their application **by September 5, 1995**, quoting reference number **S-95-31-0720-36DG(G99)**, to: **Mrs. Denyse Goyet-Joanisse, Public Service Commission of Canada, 66 Slater Street, 11th Floor, Ottawa, Ontario K1A 0M7. Fax: (613) 996-8048**

We thank all those who apply and advise that only those selected for further consideration will be contacted. Preference will be given to Canadian citizens.

*The Canadian Space Agency is committed to Employment Equity.  
Vous pouvez obtenir ces renseignements en français.*



Public Service Commission  
of Canada

Commission de la fonction publique  
du Canada

Canada

**Positions Available**

**FACULTY OPENING  
Cornell University**

The Department of Materials Science & Engineering at Cornell University invites qualified applicants for a tenure-track faculty position in the area of electronic materials. We are especially interested in making an appointment at the assistant or associate professor level, but highly qualified individuals at all levels will be considered. Applicants must have shown strong commitment to and demonstrated outstanding achievements in both research and teaching. We are particularly interested in individuals specializing in the areas of defect characterization and control and/or modelling. Our search is intentionally broad, since defect control is relevant to many issues ranging from metal line failure to transient diffusion enhancement during ion implantation.

Interested persons should submit a letter of application, CV, copies of 3 recent, relevant publications, and names of at least 4 references by **September 1, 1995** to:

Chair, Search Committee  
Department of Materials Science  
and Engineering  
210 Bard Hall  
Cornell University  
Ithaca, NY 14853-1501

*Cornell University is an Affirmative Action/  
Equal Opportunity Employer.*

**POST-DOCTORAL RESEARCH  
ASSOCIATE-SURFACE SCIENCE,  
Analytical Sciences Center, MCR, St. Louis**

Monsanto Company currently has a position available for a Post-Doctoral Research Associate-Surface Science.

The position involves both routine and fundamental characterization of materials (polymers, metals, catalysts, biological and pharmaceutical materials) using Surface Analytical techniques. The principal responsibility includes interaction and collaboration with scientists from the 15 business units of Monsanto whose problems require in-depth, problem-solving using insights from surface characterization. The development of new or improved experimental protocols is anticipated. The opportunity for interaction and participation in Monsanto-sponsored university collaborative programs in surface science is available. This job is a hands-on laboratory position with the opportunity to publish in peer reviewed scientific journals.

Requirements include a Ph.D. in Chemistry, Physics, Chemical Engineering, Polymer or Materials Science with a concentration in Surface Analysis. A strong background and experience in the use of techniques, such as XPS, AES and SIMS is essential. Sufficient understanding of other characterization techniques is desirable to facilitate multidisciplinary research with other Analytical Science Center members. The individual must be a strong team player; possess superior organizational and communication skills; be able to work on multiple projects concurrently and have excellent hands-on technical skills.

Monsanto offers an excellent salary and benefits package. Please send your resume to: **Ruth Ann Norton; Mail Zone O2B; Job Code RMF1; MONSANTO COMPANY; 800 N. Lindbergh Blvd.; St. Louis, MO 63167.** Equal Opportunity Employer.

**Monsanto**

**Positions Wanted**

The following advertisements are from MRS members 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

Materials Scientist (PhD expected December 1995) seeks research, industrial, or academic position. Dissertation and publications on hillock growth in aluminum films; MS on chemical vapor deposition of diamond. Experience in film deposition, a range of analytical techniques, and computer simulation. **Employers—Please reply to Box XX, 801.**

**1995 MRS Fall Meeting**

November 27–December 1, 1995  
Boston Marriott Hotel  
Westin Hotel/Copley Place  
Sheraton Boston Hotel  
Boston, Massachusetts

**TOWARD NEW HORIZONS**

Air Force Materiel Command (AFMC) invites applications from leading scientists and engineers interested in shaping the research and technology program of the Air Force.

**Chief Scientist, Materials (ST 95-06)** - Serves as the AF scientific and technical authority for the basic research, exploratory development and advanced development of new and improved metals, composition, plastics, elastomers, ceramics, carbons, electronic and optical materials and components, all aspects of materials processing and its relationship to manufacturing technology.

Location: **Wright Laboratory**, Materials Directorate, Wright-Patterson Air Force Base, Dayton, Ohio.

**QUALIFICATIONS:** Candidates must demonstrate scientific experience and achievements at the national and international level, evidenced by citations, patents, publications, honors, leadership activity in their field, including election as a Fellow or comparable recognition, and academic standing—normally a doctoral degree.

Salary range is **\$85,760 - \$121,705**

**APPLICATION INFORMATION:** Call the AFMC Senior Civilian Management Office at (513) 257-1094 or DSN 787-1094 for a copy of vacancy announcement ST 95-06 for specific qualification requirements and application procedures. Applications must be postmarked by **6 September 1995.**

**DEPARTMENT OF THE AIR FORCE  
AN EQUAL OPPORTUNITY EMPLOYER**

**1995 MRS Fall Exhibit**

Boston Marriott Hotel and Westin Hotel/Copley Place

**Show Hours:**

Tuesday, November 28 ..... Noon - 7:00 p.m.  
Wednesday, November 29 ..... 9:30 a.m. - 5:00 p.m.  
Thursday, November 30 ..... 9:30 a.m. - 2:00 p.m.

MRS programs both morning and afternoon **free** coffee breaks in the Exhibit every day.

A deli-style lunch is offered in the Exhibit every day from noon to 1:30 p.m.

A **complimentary** reception will be held Tuesday evening from 5:00 to 7:00 p.m.

**Exhibitors:** Booth space is limited, contact MRS for your application today!

**Mary E. Kaufold**  
Manager, Advertising and Exhibits  
Materials Research Society  
9800 McKnight Road  
Pittsburgh, PA 15237  
Telephone (412) 367-3036 • Fax (412) 367-4373