

**Positions Available**

**NORTHWESTERN UNIVERSITY  
ADMINISTRATIVE POSITION**

The Materials Research Center at Northwestern University is an interdisciplinary materials science and engineering center with a 30-year history of active and innovative materials research. The Center is seeking to fill the position of assistant director. Responsibilities include assisting the director in developing and expanding outreach programs to industry, academia, and the public; developing and executing strategies for financial support of the Center's research and operations; and overseeing the development and enhancement of a computer-based communication system. A Master's or PhD degree in the physical sciences, engineering, or a related field is highly desirable. Candidates must be familiar with federal research funding agencies, their programs, policies, and personnel. In addition, experience in managing the production of proposals and reports as well as basic accounting skills are also highly desirable qualifications.

**RESEARCH POSITION**

The Materials Research Center, which has an active program in surface science research, has recently established a UHV/STM/AFM facility. A variety of materials systems will be studied in this facility, including semiconductor, metal, and insulating surfaces. The Center is seeking someone who will be responsible for overseeing the operation of this facility and participating in research with members of the Center. Candidates must have experience with UHV/STM/AFM systems, surface characterization, and have earned a doctoral degree in either physics, chemistry, or materials science. Interested candidates should send a current resume, including the names, addresses, and telephone numbers of three references to:

Attn: Recruiter  
Materials Research Center  
Northwestern University  
2145 Sheridan Road, Tech #2033  
Evanston, IL 60208



*EEO/AA Employer: Employment eligibility verification required upon hire.*

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

The Department of Materials Science and Engineering at The Johns Hopkins University is seeking applicants to fill a tenure-track faculty position. Of special interest are applicants qualified for the rank of associate or full professor. (Hopkins offers tenure only at the rank of full professor.) The applicant selected will be expected to teach at both the undergraduate and graduate levels, as well as to develop innovative research programs. 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 further into the areas of synthesis, processing, and manufacturing are especially welcome. Current faculty conduct research in composite materials, conservation science, electrochemistry, materials characterization, ceramics, mechanical and physical properties of thin films and nanomaterials and nondestructive evaluation. A broad emphasis on materials 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 specialties of their own engineering discipline. Additional materials research activities in the School of Engineering include biomimetics, biomaterials, polymers, high-speed deformation and nanoclusters.

Candidates should submit a resume which includes their professional achievements as well as the names, addresses and telephone numbers of at least three professional references. Applicants for positions other than assistant professor should have a demonstrated record of extensive research support and achievement. Applications should be submitted to:

Prof. James W. Wagner, Chairman, Department of Materials Science & Engineering  
The Johns Hopkins University, Baltimore, Maryland 21218.

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

**FACULTY POSITIONS  
Department of Materials Science and Engineering  
University of Illinois at Urbana-Champaign**

The Department of Materials Science and Engineering at the University of Illinois at Urbana-Champaign invites applications for regular, full-time tenure-track and/or tenured faculty positions. To be considered for a tenured position, the applicant must have recognized national and international stature. The Department of Materials Science and Engineering does teaching and research in ceramics, electronic materials, metals and polymers. Successful candidates must have a strong record of accomplishment in one or more of these areas and will be expected to perform well in both teaching and research activities.

Applicants must hold an earned doctorate in an appropriate field. Salary and rank are open and will depend on qualifications. The proposed starting date for each position is August 21, 1995. All interested applicants are asked to provide a professional curriculum vitae including teaching experience and a list of publications. Candidates for tenure-track positions should also request that three (3) letters of reference be sent directly to the department and, in addition, submit a one (1) page outline of their proposed research program. Candidates for tenured positions should include the names, addresses and telephone numbers of at least three (3) references. To ensure full consideration, applications must be received prior to **August 31, 1994**.

Applications should be addressed to:  
Chair, Faculty Search Committee  
Department of Materials Science and Engineering  
1304 W. Green Street, Urbana, IL 61801  
(217) 333-1440

*The University of Illinois is an Affirmative Action, Equal Opportunity Employer.*

**Ad Closing for the September  
Issue is August 1**

**To place your ad, call Mary E. Kaufold at (412) 367-3036.**

**Positions Available**

**RESEARCH ASSOCIATE  
Comisión Nacional de  
Energía Atómica (CNEA)  
Centro Atómico Bariloche  
(CAB) Argentina**

The Centro Atómico Bariloche Applied Research Department expects to have an opening for a Research Associate position in the field of ceramic materials.

A PhD in physics is required with a strong background in ceramic materials and usual characterization techniques: ceramography, SEM, EDS, WDS, optical microscopy, DTA, TGA, high-temperature dilatometry, phase diagrams, and experience in automated data acquisition systems. Responsibilities will include the development of heterogeneous ceramic materials with controlled porosity. Knowledge of Spanish is required.

The research contract will be annually renewed, and is subject to final confirmation by CNEA. Salary will depend on qualifications, in accordance with the CNEA salary scheme.

Applications should include resume, list of publications, names of three references, and copies of the three most relevant publications in the field of interest.

**Closing date: July 31, 1994**

Centro Atómico Bariloche  
Oficina de Personal  
8400-San Carlos de Bariloche  
Rio Negro, ARGENTINA  
Fax: ++54-944-61006  
Tel: ++54-944-61001  
TLX.: 80723 CAB AR

**Staff Fellow Position in  
Electronic Ceramics**

The materials section of the Electrical and Electronics Department, General Motors Research and Development Laboratories, is seeking an individual with a PhD in ceramics, materials science, electrical engineering or physics for a staff fellow position now open in the department. The person must have a strong background in electronic ceramics, powder processing, analytical characterization of materials, and electronic characterization. Experience in fabricating multilayer capacitors or hard and soft ferrites is preferred but not required.

Please send resumes to:  
Dr. Joseph V. Mantese  
General Motors Research and  
Development Laboratories  
Electrical and Electronics  
Department, 1-B540 RSB  
P.O. Box 9055  
Warren, MI 48090-9055

*General Motors Research and Development Laboratories  
is an equal opportunity, affirmative action employer.*

**PhD CHEMICAL ENGINEER**

W.L. Gore & Associates, Inc., cited as one of "the 100 Best Companies to Work for in America," offers an exciting opportunity to contribute in a high-technology environment. Gore is a privately held Fortune 500-sized company with 46 plants worldwide. At Gore, innovation, freedom and entrepreneurial thinking are the result of our company culture and the basis of our continued, rapidly growing success.

We are creating a position for a chemical engineer to develop and implement new processes and materials to meet the changing cleanliness requirements of our customers. This engineer will continuously evaluate the cleanliness of current and future products, assess the requirements of the market, and modify/develop materials and processes to meet those requirements.

The successful candidate will have a PhD in chemical engineering and at least five years of related industrial experience. We are seeking someone with a strong background in analytical chemistry (particularly organic analysis), method development, and materials problem-solving.

Other useful skills include an understanding of surface and interfacial science, an in-depth knowledge of microcontamination in "clean" environments, and experience with advanced cleaning processes. Strong communication and interpersonal skills, as well as a demonstrated ability to work in a team environment, are musts. There will be frequent interface with sales and marketing, product development, and engineering staff.

We offer a competitive salary and excellent benefits.

W.L. Gore & Associates, Inc., P.O. Box 9206, Newark, DE 19714-9206  
Attn: Michael Sands

*Equal opportunity, affirmative action employer.*

**POSTDOCTORAL RESEARCH POSITION**

Small company in College Park, Maryland, is seeking an expert individual in the areas of thin film synthesis, materials and interface characterization. This is a "hands-on" position involving pulsed laser deposition of thin films. Responsibilities will involve assistance in all phases of ongoing, goal-oriented research and development programs. The position is for one year, with a second year contingent upon satisfactory progress. The successful candidate must have a PhD in materials science or physics with experience in a variety of thin film deposition and characterization techniques. The position involves growth and characterization of multilayer thin film deposition of various metal-oxide based systems, including high-temperature superconductors and dielectrics. Candidates must have experience in x-ray diffraction, TEM, RBS, photolithography, and electrical transport measurements at cryogenic temperatures. The candidates must also have experience in setting up and automatic electrical measurements (resistivity, C-V, I-V and noise), as well as maintenance of vacuum deposition equipment. It is important that applicants have good communication and interpersonal skills as the position requires working in a team environment. Applicants must send their resumes to:

Neocera, Inc., Attention: Tracy L. Fortuna  
335 Paint Branch Drive, College Park, MD 20742.

*Individuals must have authorization to work in the United States at the time of employment.*

**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

**Physicist, DSc, 4/92:** x-ray crystallography, materials science; ultradisperse powders, films, nanocrystals, clusters; diamond, graphite, Si, Ge, metals, alloys, oxides, clay minerals; structure, energy, stability, phase transition; experiment, theory; production research tasks, creating grant proposals, writing articles, programming, x-ray devices, computers. **Employers—Please reply to Box XIX, 701.**

**PhD Ceramics** with 1-1/2 years postdoctoral experience seeks position in industry. Innovative, flair for providing creative solutions to materials synthesis and processing problems. Expertise in powder processing, microstructure control, processing microstructure property relationship. Various characterization skills. Excellent communication and interpersonal skills. **Employers—Please reply to Box XIX, 702.**