

Positions Available

**MATERIALS RESEARCH
NONDESTRUCTIVE EVALUATION**

The NATIONAL INSTITUTE OF STANDARDS AND TECHNOLOGY (formerly the National Bureau of Standards) seeks materials scientists and/or physicists with skills in ultrasonic measurements to conduct research and develop measurement methods for non-destructive evaluation and process control.

Candidates should possess a PhD degree (or equivalent) in physics or materials science. Candidates with a MS degree and outstanding academic records and/or relevant experience will also be considered. A permanent position for an experienced researcher with a strong publication record and a postdoctoral position for a two-year term is available.

The positions are with the Materials Reliability Division of NIST in Boulder, Colorado. Competitive salaries commensurate with experience will be offered in the range of \$40,000 to \$65,000. Vacancy No. NIST DH91-176/nwt, Physicist, ZP-1310-III/IV, or Materials Research Engineer, ZP-0806-III/IV. U.S. citizenship is required. Interested candidates should send resumes to: U.S. Department of Commerce, MASC Personnel Division, Attn: Nancy Thornton, MC23, 325 Broadway, Boulder, Colorado 80303.

The National Institute of Standards and Technology is an Equal Employment/Affirmative Action Employer located in Boulder, Colorado.

**POSTDOCTORAL POSITION
MAGNETIC MATERIALS**

Applications are invited for a postdoctoral position in the area of magnetic materials. The University of Alabama at the Center for Materials for Information Technology has launched a new multidisciplinary research program concentrating on magnetic and optical materials for information storage. Focus in this part will be on new thin-film magnetic alloys for magnetoresistive heads. The Center is located in the new Bevell Research Building, which has been equipped with \$1.3M in new equipment, including: a Digital Measurements Systems vibrating sample and torque magnetometer, a 35 GHz spectrometer for ferromagnetic resonance research, a Vac-Tec four-target rf and dc sputtering system, an Energy Science electron-beam processor, Bio-Rad TIR, and Hitachi H-800 STEM, and a Digital Systems Nanoscope II STM. Candidates should have a PhD in physics, materials science, chemical engineering or a related discipline, and research experience in multilayer magnetic films, advanced surface analysis, MBE, and device fabrication. The annual salary is \$30,000. Applicants should send a curriculum vita, brief statement of research interests, and the names of three references to: Prof. William D. Doyle, Department of Physics & Astronomy and Director, Center for Materials for Information Technology, University of Alabama, Box 870209, Tuscaloosa, AL 35487-0209.

The University of Alabama is an equal opportunity/affirmative action employer.

**ENDOWED CHAIR IN MATERIALS
SCIENCE AND ENGINEERING**

Applications are invited for appointment to The Racheff Chair of Materials Science and Engineering at The University of Tennessee, Knoxville. This tenure-track position is an exceptional opportunity for a highly qualified candidate with primary expertise in the area of mechanical behavior of materials. Additional desirable areas of expertise include metallurgy, composite materials, and processing science. Duties will include teaching and development of a major research program. Rank of full professor; salary commensurate with experience and accomplishments. Review of applications will begin June 1, 1991 and will continue until the position is filled. Send letter of application, resume, and three letters of recommendation to: Search Committee, Department of Materials Science and Engineering, The University of Tennessee, Knoxville, TN 37996-2200.

UTK is an EEO/AA/Title IX/Section 504 Employer.

**FACULTY POSITION
University of Pittsburgh**

A faculty position is open in the tenure stream in the Department of Materials Science and Engineering. Applicants should have strong interests in the materials science of ceramics, preferably in electromagnetic ceramics, mechanical behavior of ceramics, and/or in the electron microscopy of ceramic materials. Other ceramic specializations will be considered. Duties will include teaching graduate and undergraduate courses in ceramics and materials, and initiating and actively engaging in graduate research. Applicants should have a PhD in ceramics, materials science, or a related discipline and a successful research record. The search will continue until the position is filled.

Curriculum vitae and references should be submitted to:

Ceramic Search Committee
Materials Science and Engineering
University of Pittsburgh
848 Benedum Hall
Pittsburgh, PA 15261
Attn: J.R. Blanchere

The University of Pittsburgh is an Equal Opportunity Affirmative Action Employer.

POSTDOCTORAL POSITION

Applications are invited for a postdoctoral research position in surface modification of polymers by ion beams. The appointment is anticipated to be for two years. Applicants should possess a PhD in polymer science or materials science with an emphasis in polymers. Candidates should show a strong commitment to experimental research and laboratory development. The work will involve ion-beam modification and characterization of mechanical, physical, and chemical properties of materials. Experience in materials analysis techniques and knowledge of ion implantation are desirable. Please submit curriculum vitae, graduate transcripts, and names of three references to: Dr. E.H. Lee, Oak Ridge National Laboratory, P.O. Box 2008, Oak Ridge, TN 37831-6376. For further information, call (615) 574-5058.