

Positions Available

RESEARCH OPPORTUNITIES IN SPECIALTY CHEMICALS

The Research Division of W.R. Grace & Co., a Fortune 100 Company and the world's largest specialty chemical company, has openings for research chemists and engineers in the following areas:

CATALYSIS

These positions require a Ph.D. in Chemistry or Chemical Engineering, with up to 5 years experience in zeolite synthesis, catalyst development, preparation, testing, and transition from prototype to pilot plant-scale processing. Department KP

TECHNICAL CERAMICS

Positions are available at the Ph.D., MS and BS levels, to conduct research in superconductors, ceramic armor materials, and particulate, whisker and related composites. We are seeking candidates with up to 5 years experience in ceramic processing and characterization. Department LH

ELECTROCHEMISTRY

Lead Scientist/Engineer for lithium battery project coordinating electro-chemical, analytical, engineering, and organic research. This position requires a Ph.D. in Electrochemistry or Electrochemical Engineering with 3-7 years experience in battery development (non-aqueous electrolyte experience is beneficial). Department JL

Grace offers an attractive salary, an excellent benefits program and a rewarding, growth-oriented career. We actively encourage the publication of technical papers. We are located in the picturesque community of Columbia, Maryland, close to both Baltimore, Maryland and Washington, D.C. Please send your resume in confidence, including the appropriate department, to:

**Manager, Employment Department Code
W.R. GRACE & CO.
Washington Research Center
7379 Route 32
Columbia, Maryland 21044**

GRACE

An international specialty chemical company with selected interest in energy, manufacturing and service businesses.

An Equal Opportunity Employer M/F/H/V

TENURE-TRACK FACULTY POSITIONS - CERAMICS

**Department of
Metallurgical Engineering
and Materials Science
Carnegie Mellon University**

The Department is establishing a program in Ceramic Science and is interested in hiring faculty members at the assistant, associate, or full professor level. Prospective candidates are sought in the following areas:

- Ceramic Processing
- Electronic and Optical Ceramics
- Physical and Structural Ceramics

Applicants should have a PhD, a demonstrated research potential or record in topics covered in any one of the above areas, be interested in developing a very strong research program, and be enthusiastic and qualified to teach.

Please send resume and a list of references to:

Prof. A.W. Thompson
Head, Department of Metallurgical
Engineering and Materials Science
Carnegie Mellon University
Pittsburgh, PA 15213
(412) 268-2700

Equal Opportunity, Affirmative Action Employer

TENURE-TRACK FACULTY POSITIONS

**Department of
Metallurgical Engineering
and Materials Science
Carnegie Mellon University**

The Department has openings for faculty members at the assistant, associate, or full professor level, and is seeking prospective candidates. Desired areas of specialization include Polymeric Materials, Physical Metallurgy, and Surface and Thin Film Sciences. Applicants should have a PhD, a demonstrated research potential or record in topics covered by the above areas, be interested in developing a very strong research program, and be enthusiastic and qualified to teach.

Please send resume and a list of references to:

Prof. A.W. Thompson
Head, Department of Metallurgical
Engineering and Materials Science
Carnegie Mellon University
Pittsburgh, PA 15213
(412) 268-2700

Equal Opportunity, Affirmative Action Employer

Positions Available

**DEPARTMENT OF MATERIALS SCIENCE
AND ENGINEERING
University of Florida**

THREE TENURE TRACK FACULTY POSITIONS are available for qualified individuals with expertise in one or more of the following areas of materials science and engineering:

- a. Theory and practice in the application of electron-optical devices for the characterization of materials;
- b. Mechanical behavior of ceramics, intermetallics, composites and/or other brittle materials;
- c. Solidification processing of materials, including rapid solidification processing, crystal growth and/or metal matrix composites.

A doctoral degree in materials science and engineering or a related discipline will be required for consideration. Candidates will be expected to develop undergraduate and graduate courses as well as initiate and sustain sponsored research in their area of expertise. Positions may be offered at the level of assistant, associate or full professor depending upon the qualifications of individual candidates.

The Department of Materials Science and Engineering at the University of Florida currently has 24 faculty, 150 undergraduate and 100 graduate students, with substantial and sustained research funding and academic programs in ceramics, electronic materials, metals and polymers.

Deadlines for submission of applications for these positions are July 1, September 1, and November 1, 1988.

Please send a curriculum vitae, list of publications, three letters of recommendation, and a statement of research interests to: Dr. R. T. DeHoff, Chairman of the Search Committee, Department of Materials Science and Engineering, University of Florida, Gainesville, FL 32611

The University of Florida is an Equal Opportunity/Affirmative Action Employer

**TECHNICAL
EDITOR**

Materials Research Society

The Materials Research Society, headquartered in Pittsburgh, seeks a creative and assertive leader to serve as editor of a rapidly growing monthly magazine serving materials research professionals. Responsibilities include establishing issue themes, acquiring and evaluating technical overview articles, writing and directing the rewriting of articles, and soliciting and evaluating news from government, industry, and education. Masters degree in a technical field relevant to materials science and engineering required and knowledge of current developments in one or more major materials research areas desirable. Well-organized individual sought with strong writing and editing skills and prior experience in writing and editing for publications serving the technical community. Salary and benefits commensurate with experience. Send resume, samples of writing, names of two references, and relevant salary history to Chairman of Technical Editor Search Committee, Materials Research Society, 9800 McKnight Road, Suite 327, Pittsburgh, PA 15237.

**RESEARCH FACULTY AND
POSTDOCTORAL POSITIONS
Vanderbilt University**

The Materials Research and Applications Center at Vanderbilt University invites applications for Research Faculty/Postdoctoral positions starting approximately September 1988. The successful candidates will be expected to take strong roles in developing several NASA-approved materials science, fluid dynamics, and nonlinear acoustic experiments. Some of these experiments are expected to be flown on NASA Space Shuttle Missions. Desirable candidates are those with PhDs in any of the following: Condensed-Matter, Physical Acoustics, Materials Science, Fluid Mechanics, or Mechanical Engineering. This is a new center with opportunities for self-motivated individuals to perform pioneering work. Salary and ranking will be commensurate with qualifications and experience. Please send resume and three letters of recommendation to:

Prof. Taylor Wang
Dept. of Mechanical &
Materials Engineering
Vanderbilt University
Olin Hall, Room 101
Nashville, TN 37235

**FACULTY POSITION
Materials Science
and Engineering
Rutgers University**

The Department of Mechanics and Materials Science is seeking a faculty member for a tenure-track position in the general area of materials science. Preference will be given to potential candidates in the field of hetero-materials, nanostructures, structure and phase transformations. The successful applicant is expected to teach and to develop strong independent and cooperative research programs. The position is for assistant/associate rank but exceptional senior faculty will also be considered. Please send the resume to Prof. Thomas Tsakalakos, Dept. of Mechanics and Materials Science, College of Engineering, P.O. Box 909, Piscataway, NJ 08855-0909.

Equal Opportunity, Affirmative Action Employer

Editorial Contact

Gail A. Oare
MRS BULLETIN
Materials Research Society
9800 McKnight Road, Suite 327
Pittsburgh, PA 15237
(412) 367-3036
Fax: (412) 367-4373

Advertising Contact

Mary E. Kaufold
MRS BULLETIN
Materials Research Society
9800 McKnight Road, Suite 327
Pittsburgh, PA 15237
(412) 367-3036
Fax: (412) 367-4373