

have enhanced the value of this monograph as a textbook for undergraduates.

In short, this book is more akin to the work of a musical composer, who has his own unique style and does not draw attention to the work of other composers. It is certainly a refreshing departure from the

methodology adopted by most scientific contemporaries and must be considered as a compulsory purchase for all libraries and thermodynamics cognoscenti. It will be very interesting to see whether it will also achieve the author's wish to raise the level of thermodynamic awareness in science

courses as a whole.

*Reviewer: Peter Miodownik is Professor Emeritus of Materials Science and Engineering, University of Surrey, Guildford, England. He has long been interested in phase equilibria in alloys and their calculation, with a special interest in magnetic properties.* □

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### FACULTY POSITION

#### Department of Materials Science and Engineering University of Virginia

Applications are solicited for a tenure-track faculty position at the assistant professor level in the field of computational materials science. Candidates in all areas of computational materials science will be considered. They should demonstrate the potential for excellence in teaching at both the graduate and undergraduate levels and for establishing an outstanding program of sponsored research. Applications from women and minority candidates are strongly encouraged.

Qualified candidates should send a letter of application with a detailed curriculum vitae, statement of research plans and teaching interests, and contact information for four or more references to:

Professor William C. Johnson  
 Department of Materials Science  
 and Engineering  
 University of Virginia  
 Charlottesville, VA 22903-2442  
 E-mail: [wjc2c@virginia.edu](mailto:wjc2c@virginia.edu)

To ensure full consideration, applications must be received prior to **October 1, 1999**. For further information visit <http://www.virginia.edu/ms/mse/home.html>.

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### FACULTY OPENING

#### School of Materials Engineering Purdue University

The School of Materials Engineering is seeking applicants to fill a tenure track faculty position. This position will be offered at a rank commensurate with the qualifications of the successful applicant. Areas of expertise are open with special consideration given to electronic behavior of materials, mechanical behavior of materials, structural characterization of materials, or materials processing. Applicants 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. Opportunities exist for interaction with faculty members of other departments who are active in materials subspecialties.

Applications, including curriculum vitae and names and addresses of three references, should be sent to:

Professor A.H. King, Head, School of Materials Engineering  
 Purdue University, 1289 Materials and Electrical Engineering Building, West Lafayette, IN 47907-1289

To receive full consideration, applications must be received by **October 1, 1999**, although the search will continue until the position is filled. Starting date will be on or after January 1, 2000.

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724-779-8312  
[kaufold@mrs.org](mailto:kaufold@mrs.org)

**Positions Available**

**ASSISTANT PROFESSOR  
Materials Science and Engineering**

The Department of Materials Science and Engineering at the University of Delaware is continuing to expand and invites applications for a junior faculty position in Electronic and Magnetic Materials, Polymers, Inorganic Materials, Materials Chemistry or Biomaterials/Biomimetics. The current opening is a tenure track faculty position at the Assistant Professor level. **REQUIREMENTS:** Ph.D. degree in Materials Science or related field, qualified to teach undergraduate and graduate courses in Materials Science and willing to develop a world-class research program which includes collaborations with existing materials-based groups within the university and in local industry. It is anticipated that the candidate would be an effective communicator and enjoy teaching and mentoring students. Demonstrated independence in the choice of research areas as evidenced by quality publications and the submission of a clear research plan is an important part of the evaluation process. **CONTACT:** Send a resume, a description of proposed research and three letters of recommendation to **John F. Rabolt, Chair, Faculty Search Committee, Department of Materials Science and Engineering, Spencer Laboratory - Room 301, University of Delaware, Newark, DE 19716.** The search committee will begin the review and processing of applications on October 15, 1999 and will continue to accept applications until the position is filled.

The UNIVERSITY OF DELAWARE is an Equal Opportunity Employer which encourages applications from Minority Group Members and Women.



**FACULTY POSITIONS  
Department of Materials Science and Engineering  
University of Florida**

Three tenure-track faculty positions are available in the Department of Materials Science and Engineering for persons with expertise and strong academic records in the areas listed below:

- Electronic and magnetic recording materials
- Nanoelectronics
- Dielectric thin films
- Polymers
- Biomaterials
- Electrochemistry
- Corrosion
- Computational materials science

The faculty members are expected to teach graduate and undergraduate courses, and initiate and sustain strong sponsored research and graduate training programs. Potential faculty members with strong interests in manufacturing and industrial interactions are especially encouraged to apply. A doctoral degree is required.

The MSE Department at UF is one of the nation's leading departments in the field and has 32 faculty, about 170 graduate students, 100 upper division undergraduates, and over \$10 million in annual research expenditure. The Department provides integrated materials science and engineering education, as well as multidisciplinary research programs devoted to biomaterials, ceramics, composites, electronic and optical materials, metals, and polymers. The Department also houses the MICROFABRITECH multidisciplinary materials research program and the Major Analytical Instrumentation Center, and actively participates in the National High Magnetic Field Laboratory, Engineering Research Center for Particles Science and Technology and Biomedical Engineering Program.

The positions are open to all levels from Assistant to Full Professor, although preference will be given to applicants at the Assistant Professor level. Applicants should submit a curriculum vitae, statement of research and teaching plans, and names of at least three references to:

Chair of the Search Committee, Department of Materials Science and Engineering  
100 Rhines, PO Box 116400, University of Florida, Gainesville, FL 32611-6400

Screening of applicants will begin **October 1, 1999** and will continue until the positions are filled.

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**FACULTY POSITION  
Department of Chemical Engineering and  
Materials Science  
University of California, Davis**

Outstanding candidates whose research and teaching interests have the potential to impact both chemical engineering and materials science are invited to apply for a tenure-track or tenured faculty position (at any level). The Department currently has 23 ladder-rank faculty with vigorous individual and joint research projects in chemical, materials, and bioengineering. Strong multidisciplinary interactions with university, industry, and national laboratories characterize many research activities at UC Davis. NSF has just funded an IGERT on nanomaterials at Davis and substantial faculty growth is imminent through new campus initiatives in nanophase materials, computational science, biosciences, and the development of other major centers.

The position requires a PhD degree in chemical engineering, materials science and engineering, or a closely related field. Junior candidates must show strong promise for success in academia and senior candidates must have exceptional professional stature as evidenced by significant technical recognition and awards. Please mail a resume, list of three references, and summary of proposed teaching and research plans to Prof. Subhash H. Risbud, Chair, Dept. Chemical Engineering & Materials Science, University of California, Davis, One Shields Avenue, Davis, CA 95616. For full consideration, applications should be received by **October 1, 1999**, but the position will remain open until filled. Visit our web site at <http://www.chms.ucdavis.edu> for information about the Department.

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

**ASSISTANT PROFESSOR  
APPLIED PHYSICS**

The School of Applied and Engineering Physics at Cornell University is seeking applications for a tenure-track assistant professor position, which is expected to be filled as early as the fall of 1999. The appointment is intended to be made in experimental or computational applied physics research areas; including but not limited to applied optics, biological physics, and nanostructure science. Interdisciplinary research efforts are encouraged.

Candidates must be able to develop a successful independent research program in one of these areas and to participate effectively in the teaching of applied physics at both the undergraduate and graduate level. Considerable institutional resources for the support of the successful applicant's research program are available and a competitive start-up package can be expected.

The successful candidate can expect to benefit from association with one or more of Cornell's interdisciplinary research centers, national facilities, and national resources which include the Cornell Center for Materials Research, the Cornell Nanofabrication Facility, the Cornell Theory Center, the Cornell High Energy Synchrotron Source, the Biotechnology Center, and the NIH funded resources for Macromolecular X-ray Diffraction and for Biophysical Imaging.

Applications, which should include a resume, a statement of research interests, copies of publications or preprints, and names of several references, should be submitted to:

**Professor Harold G. Craighead, Director, School of Applied and Engineering Physics, 210A Clark Hall, Cornell University, Ithaca, New York 14853-2501.** Consideration for an associate or full professor level position may be made for exceptionally suited candidates.



*Cornell University's College of Engineering is an equal opportunity/affirmative action employer and welcomes nominations of, and applications from, women and underrepresented minorities.*