CALENDAR

14-19
IEEE/LEOS Annual Meeting
San Jose, CA
IEEE/LEOS, 445 Hoes Lane, P.O. Box 1331, Piscataway, NJ, 08855; (908) 562-3893; fax (908) 562-1571.

14-19
Winter Meeting of the American Nuclear Society
San Francisco, CA
ANS, 555 N. Kensington Ave., La Grange Park, IL 60525; (708) 352-6611.

15-19
40th Annual AVS Symposium
Orlando, FL
American Vacuum Society, 335 E. 45 St., New York, NY 10017-3483; (212) 661-9404.

28-3 ▼
American Society of Mechanical Engineers' Winter Annual Meeting
New Orleans, LA
P.E. Phelan, Univ. of Hawaii, Dept. of Mechanical Engineering, 2540 Dole St., Holmes 302, Honolulu, HI 96822; (808) 956-7266; (808) 956-2373.

29-3
MRS Fall Meeting
Boston, MA
M. Geil, Materials Research Society, 9800 McKnight Rd., Pittsburgh, PA 15237; (412) 367-3003; fax (412) 367-4373. **MRS.**

MARCH 1994

27-31
6th Intl. Conf. on Indium Phosphide and Related Materials
Santa Barbara, CA
IEEE/LEOS, 445 Hoes Lane, P.O. Box 1331, Piscataway, NJ, 08855; (908) 562-3893; fax (908) 562-1571.

APRIL 1994

4-8
MRS Spring Meeting
San Francisco, CA
M. Geil, Materials Research Society, 9800 McKnight Rd., Pittsburgh, PA 15237; (412) 367-3003; fax (412) 367-4373. **MRS.**

JUNE 1994

19-24
Annual Meeting of the American Nuclear Society
New Orleans, LA
ANS, 555 N. Kensington Ave., La Grange Park, IL 60525; (708) 352-6611.

JULY 1994

4-9
Materials and Mechanisms of Superconductivity/High-Temperature Superconductors
Grenoble, France
M. Cyrot, CNRS, 25 ave. des Martyrs, BP 166X, 38042 Grenoble, France; 33-76-88-10-00; fax 33-76-88-11-91.

OCTOBER 1994

23-27
41st Annual AVS Symposium
Denver, CO
American Vacuum Society, 335 E. 45 St., New York, NY 10017; (212) 661-9404.

30-4
IEEE/LEOS Annual Meeting
Boston, MA
IEEE/LEOS, 445 Hoes Lane, P.O. Box 1331, Piscataway, NJ, 08855; (908) 562-3893; fax (908) 562-1571.

NOVEMBER 1994

6-10
Intl. Adhesion Symposium
Pacifico Yokohama, Japan
H. Mizumachi, Chemistry of Polymeric Materials, Univ. of Tokyo, Yayoi 1-1-1, Bunkyo-ko, Tokyo 113, Japan; 81-3-3812-2111, ext. 5266; fax 81-3-5684-0299.

13-18
Winter Meeting of the American Nuclear Society
Washington, DC
ANS, 555 N. Kensington Ave., La Grange Park, IL 60525; (708) 352-6611.

28-2
MRS Fall Meeting
Boston, MA
M. Geil, Materials Research Society, 9800 McKnight Rd., Pittsburgh, PA 15237; (412) 367-3003; fax (412) 367-4373. **MRS.** □

CLASSIFIED

Positions Available

TECHNICAL STAFF POSITION
MICROBEAM ANALYTICAL LABORATORY
Princeton University

Applications are invited for a senior-level technical staff position in the Princeton Materials Institute (PMI) to help establish the PMI microbeam analytical laboratory as a state-of-the-art facility and to oversee and participate in its daily operation. Duties include: (i) performing research jointly with the PMI scientists, (ii) training users (faculty, postdoctoral, graduate, and undergraduate students), and (iii) maintaining laboratory and equipment which includes day-to-day alignment, operation, trouble-shooting, service and maintenance of the instruments. The work will involve inorganic (geologic, ceramic, metallic, and semiconductor) and organic (polymeric and biologic) materials. PhD degree or equivalent experience with a strong background in (i) the operation and maintenance of electron microprobe and scanning and transmission electron microscopes, (ii) analysis of samples by electron microprobe and electron microscopy, (iii) the use of microscopy and microprobe software and computers, and (iv) thin and bulk sample preparation is required. The ability to teach short courses on the principles and practice of the instrumentation is considered an important asset.

Applicants should send a complete package which includes (i) a letter of intent with research and career objectives, (ii) resume with a list of publications and accomplishments, and (iii) names and phone numbers of at least three references. Salary is commensurate with qualifications. The position is available immediately.

Alexia Faust, *coordinator*
Princeton Materials Institute
Princeton University
70 Prospect Avenue, Room 323
Princeton, New Jersey 08540-5211
Fax No. (609) 258-6878

Princeton University is an equal opportunity affirmative action employer.

ASSOCIATE OR ASSISTANT PROFESSOR
APPLIED SCIENCE

William and Mary seeks a tenure-track assistant or associate professor in the Program of Applied Science. Candidate must be expert in materials characterization by nondestructive methods. The successful candidate will have a PhD in a related area of science or engineering and will have demonstrated a capacity to conduct graduate and undergraduate research programs leading to publications or other significant contributions to her or his field of study. We seek a candidate to complement the current strengths in the program (polymer characterization, dielectric analysis, surface methods, acoustic analysis, and x-ray and gamma ray methods). Thus, experience with methods such as electromagnetic NDE (eddy current), thermography, or optical methods may be of interest. Strong interest in composite and polymeric materials must be demonstrated; broader interests in advanced NDE for metals are currently a secondary priority. William and Mary's Applied Science Program is a multidisciplinary program in physics, chemistry, and mathematics with extensive collaborations at the nearby laboratories of NASA-Langley Research Center and the Continuous Electron Beam Accelerator Facility. Accordingly, the successful applicant will have opportunities for collaboration.

Nominations and applications for this position should be sent to Prof. Dennis M. Manos, Chair, Applied Science Search Committee, Program in Applied Science, College of William and Mary, P.O. Box 8795, Williamsburg, VA 23187-8795.

Each applicant should include a curriculum vitae and the names of three references. The review of nominations will begin February 15, 1993, and continue until a successful applicant has been identified.

William and Mary is an equal opportunity employer; minority and women candidates are strongly encouraged to apply.

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Positions Available

FACULTY POSITION IN ADVANCED STRUCTURAL MATERIALS

Department of Materials Science and Engineering
Stanford University

The Department of Materials Science and Engineering at Stanford University invites applications for a tenure-track position at the assistant professor level in the area of advanced structural materials. Applicants should hold a doctorate in Materials Science and Engineering or in a related field and should have outstanding potential for establishing an independent research program and for teaching materials science at the graduate and undergraduate levels. The applicant should also have the ability to work in an interdisciplinary environment, as participation in interdepartmental programs and interaction with students and faculty in other disciplines will be expected. We are especially interested in strengthening our collaboration with faculty in the Applied Mechanics Division of Mechanical Engineering at Stanford. Thus, we will be particularly interested in candidates who would develop collaborative programs with faculty in Applied Mechanics in the area of micromechanics of structural materials.

We would expect the candidate to develop programs with a strong component of experimental research on the mechanical properties of such high-performance structural materials as ceramics, ceramic-matrix composites, intermetallic alloys and/or intermetallic matrix composites. Ideally such research should benefit from or promote a micromechanics approach to mechanical behavior of structural materials. We also seek an individual whose research would benefit from the Stanford environment of advanced materials synthesis and characterization.

Applications should include a summary of educational and professional backgrounds, a current list of published work, evidence of teaching experience and the names of at least three references who may be consulted by the search committee regarding the candidate's work. An indication of how the candidate's experience matches the position described above should also be given. The appointment could be made as early as October 1, 1993; applications should be submitted by **March 1, 1993** to:

Professor William D. Nix, Chairman
Department of Materials Science and Engineering
Stanford University
Stanford, CA 94305
(415) 725-2605

Stanford University is an equal opportunity employer and specifically invites and encourages applications from women and minorities.

DIRECTOR MATERIALS SCIENCE CENTER

The Florida State University invites inquiries and applicantions for the position of Director of the Center for Materials Research and Technology (MARTECH).

MARTECH is composed of faculty from the Departments of Chemistry, Physics and from the Florida A&M University/Florida State University College of Engineering with a common focus on materials research. A broad range of state-of-the-art synthesis and characterization instrumentation is in place.

We seek a senior individual in the area of materials science. Applicants should have an outstanding record in independent research and administrative experience is a plus. The Director is expected to assume a leadership role in developing cooperative scientific programs including interactions with scientists in the Supercomputer Computational Research Institute, Structural Biology Initiative and National High Magnetic Field Laboratory and also initiating involvement with appropriate industries. The Director will hold the rank of professor in one of the above Departments.

All inquiries and applications should be directed to Director Search Committee, Center for Materials Research and Technology, Keen Building, B-159, Tallahassee, FL 32306-3016.

FSU is an Affirmative Action/Equal Opportunity employer.

ASSISTANT PROFESSOR

The Department of Mechanical Engineering and Materials Science
Duke University

is looking for an outstanding, energetic PhD in the material sciences to take a tenure-track position as an assistant professor by September 1993. Possible research areas include—but are not restricted to—electronic materials, ceramics, smart materials, micromechanics, and the science and technology of interfaces and molecular self-assembly. Applicants should show promise for sustained research productivity and attracting support for original research. The position would provide a competitive salary, start-up funds for beginning a research program, and an attractive university environment with highly qualified students. More experienced candidates are not excluded, but the expectation is that individuals who are relatively early in their careers will be given preference. Please send resumes by **February 1, 1993,** to Professor Ulrich Gösele, Chairman of the Search Committee, Department of Mechanical Engineering and Materials Science, Box 90300, Duke University, Durham, NC 27708-0300.

Duke University is an Equal Opportunity/ Affirmative Action Employer.

POST DOC POSITION AVAILABLE ETH Zurich

We have a post doc position available for 1993 fiscal year in the area of:

Bi-thick film technology.

Candidates with appropriate background in materials processing, synthesis and physical properties should send their resumes. Applicants must possess a PhD in materials science engineering. Send curriculum vitae and names and telephone numbers of three references to: Prof. Dr. L.J. Gauckler, ETH Zurich, Nichtmetallische Werkstoffe, Sonneggstr. 5. NO H 11, 8092 Zurich, Switzerland
Tel +41 1 256 56 46
FAX +41 1 262 00 29.

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Positions Available

FACULTY POSITION
EXPERIMENTAL CONDENSED MATTER PHYSICS

The Department of Physics and Astronomy at the University of Alabama has a tenure-track faculty position at the assistant professor level in the area of materials for information storage. The successful candidate should have a PhD degree with publications in an appropriate area, good communication skills, and a strong interest in undergraduate and graduate teaching. Postdoctoral experience is desirable. The selected candidate will be expected to participate cooperatively in the Center for Materials for Information Technology, a multidisciplinary research program involving several academic departments. Presently, research is being conducted on high magnetization particles and films, thin films exhibiting giant magnetoresistance, magnetic time decay, high speed magnetization reversal, and other topics relevant to information storage. Please send a complete resume, a publication list, a statement of research and teaching interests, and the names of three references by **March 1** (or until a suitable candidate is hired) to Prof. William D. Doyle, Department of Physics and Astronomy, University of Alabama, P.O. Box 870324, Tuscaloosa, AL 35487-0234.

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

FACULTY POSITION
EXPERIMENTAL CONDENSED MATTER PHYSICS
Carnegie Mellon University

We seek to hire an outstanding senior condensed matter physics experimentalist. The successful candidate should bring an active research program and should be ready to take a leading position in the condensed matter group as well as in the Department and the University. This person will be expected to play a major role in our efforts to hire additional faculty over the next five years. We will consider applicants from all areas of active condensed matter research but we have identified the following as areas of particular interest: composite, electronic, and other new materials; scanning microscopies and advanced optical techniques; nanostructures and mesoscopic physics; magnetism, nonlinear dynamics; surface and interface science; and x-ray and neutron scattering. We currently have efforts in optical properties of nanostructures, wetting and organic thin films, surfaces and interfaces, magnetism, and x-ray and neutron scattering. The experimental group is complemented by our strong condensed matter theory group and by interdisciplinary research efforts throughout the University. Please send resumes and supporting information by **January 31, 1993** to Robert F. Sekerka, University Professor and Chair of the Search Committee, Department of Physics, Carnegie Mellon University, Pittsburgh, PA 15213.

Carnegie Mellon University is an affirmative action, equal opportunity employer.

Coming in February...

Guest Editors John R. Rodgers, National Research Council Canada, and Pierre Villars, Intermetallic Phases Databank, Switzerland, will focus on Trends in Advanced Materials Data: Regularities and Predictions. Articles on this topic will include:

Theory and Practice in the Prediction of New Materials, by Karin M. Rabe, Yale University;

Prediction of Inorganic Compounds: Experiences and Perspectives, by N.N. Kiselyova, Russian Academy of Sciences, Moscow;

Some Uses of Crystallographic Databases and Bibliographies, by James C. Phillips and T. Siegrist, AT&T Bell Laboratories, New Jersey; and

Data Compilation, Analysis, and Access: The Role of the Computer, by Jack H. Westbrook, Brookline Technologies, New York.

POSTERMINARIES

Interview

Our phone was graced recently by a call from Professor Science I.M. Sage. He is chairman of the Blue Ribbon Policy and Prophecy Institute, a for-profit consulting organization located in a motor home/office complex in constant circumnavigation of the Washington, DC Beltway. Known affectionately to cellular phone operators as Prof. S.S., he staffs his own 24-hour science policy primer line, ready at a moment's notice to explain the policy machinations of the day to any well-heeled, interested party. He kindly consented to be interviewed for Posterminaries free of charge, on the condition that these introductory italics precede the interview text and that he have complete editorial control over what's printed. We, of course, enthusiastically agreed!

MRSB: Thank you for taking time from your busy day to chat with us for Posterminaries.

SS: My pleasure. A little free advertising is always welcome and, judging from your inability to correctly spell "postterminaries" (Brit.), you are in dire need of my advice.

MRSB: Yes, well, let us then pose our first question. We have noticed a great deal of concern in Congress and in industry with the effectiveness of the federal R&D dollar in contributing to the nation's economic competitiveness. Is there really a problem or is this just so much political rhetoric?

SS: Yes. There is a real political problem.

MRSB: How would you characterize the various facets of the problem?

SS: Constituencies.

MRSB: Please elaborate.

SS: Well, all right, but this is pretty basic, self-evident stuff, which you should

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