Positions Available

CHIEF SCIENTIST

The Chemistry and Materials Science (C&MS) Directorate is a dynamic organization of multidisciplinary teams comprised of chemical and materials scientists and chemical engineers. These teams foster excellence and perform cutting-edge science and technology—supporting LLNL programs in national security, energy and environmental systems, and biosciences.

We are seeking an exceptional individual to inspire, lead, and build our research programs. As Chief Scientist, you will professionally represent the C&MS’s scientific program, reporting directly to the Associate Director. You will ensure the scientific excellence of all technical activities, seek qualified scientists and engineers to join a world-class team, and provide leadership and focus for a wide range of challenging research activities.

If you have a well-established national reputation in chemical or materials science and excellent interpersonal and communication skills and background, send your cover letter and résumé to: Associate Director for C&MS, Dr. Harold C. Graboske, Jr., LLNL, P. O. Box 808, L-090, Dept. AJVM519CH Livermore, CA 94551.

LLNL offers a competitive salary and benefits package and growth opportunities (requires U.S. citizenship). LLNL is an equal opportunity employer, with a commitment to workforce diversity.

CALHOUN SCIENTIFIC LIBRARY COOPERATIVE"
Positions Available

RESEARCH STAFF POSITION
Princeton Materials Institute
Princeton University

The Princeton Materials Institute invites applications for a Professional Research Staff Position in the thermomechanical performance of materials and systems. Requirements include a Ph.D degree with four to seven years of experience in the measurement and analysis of the mechanical properties, microstructure and performance of advanced materials, such as composites, films, and multilayers. Some experience in industry is preferred.

The position will initially involve the setting up of a thermomechanical measurements laboratory (that includes advanced instruments, such as atomic force and scanning electron microscopes, with in situ loading devices, and strain mapping methodologies). The person will be responsible for developing an independent research program in the area of thermostructural materials and systems, working in conjunction with the PMI Director.

Applicants should send resumes to Princeton Materials Institute.

Princeton University is an affirmative action, equal opportunity employer. Women and minority candidates are encouraged to apply.

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 or tenured faculty positions in the broad areas of materials research. Applicants with strong research and teaching capabilities in the areas of diffraction and/or imaging techniques utilizing x-rays, electrons or neutrons; mechanical measurements laboratory (that includes advanced instruments, such as atomic force and scanning electron microscopes, with in situ loading devices, and strain mapping methodologies).

The person will be responsible for developing an independent research program in the area of thermostructural materials and systems, working in conjunction with the PMI Director.

Applicants should send resumes to Princeton Materials Institute.

Princeton University is an affirmative action, equal opportunity employer. Women and minority candidates are encouraged to apply.

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 or tenured faculty positions in the broad areas of materials research. Applicants with strong research and teaching capabilities in the areas of diffraction and/or imaging techniques utilizing x-rays, electrons or neutrons; mechanical measurements laboratory (that includes advanced instruments, such as atomic force and scanning electron microscopes, with in situ loading devices, and strain mapping methodologies).

The person will be responsible for developing an independent research program in the area of thermostructural materials and systems, working in conjunction with the PMI Director.

Applicants should send resumes to Princeton Materials Institute.

Princeton University is an affirmative action, equal opportunity employer. Women and minority candidates are encouraged to apply.

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 or tenured faculty positions in the broad areas of materials research. Applicants with strong research and teaching capabilities in the areas of diffraction and/or imaging techniques utilizing x-rays, electrons or neutrons; mechanical measurements laboratory (that includes advanced instruments, such as atomic force and scanning electron microscopes, with in situ loading devices, and strain mapping methodologies).

The person will be responsible for developing an independent research program in the area of thermostructural materials and systems, working in conjunction with the PMI Director.

Applicants should send resumes to Princeton Materials Institute.

Princeton University is an affirmative action, equal opportunity employer. Women and minority candidates are encouraged to apply.

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 or tenured faculty positions in the broad areas of materials research. Applicants with strong research and teaching capabilities in the areas of diffraction and/or imaging techniques utilizing x-rays, electrons or neutrons; mechanical measurements laboratory (that includes advanced instruments, such as atomic force and scanning electron microscopes, with in situ loading devices, and strain mapping methodologies).

The person will be responsible for developing an independent research program in the area of thermostructural materials and systems, working in conjunction with the PMI Director.

Applicants should send resumes to Princeton Materials Institute.

Princeton University is an affirmative action, equal opportunity employer. Women and minority candidates are encouraged to apply.
Positions Available

FACULTY POSITION
Department of Metallurgy and Materials Engineering
University of Connecticut

The Department of Metallurgy and Materials Engineering is seeking a tenure-track, faculty member at the level of Assistant Professor to begin on or about January 1, 2000. A higher level appointment is possible for a truly exceptional person. Requirements are a PhD degree or equivalent in a materials-related field, a strong interest in both undergraduate and graduate teaching, and motivation to develop a prominent research program. Current research programs in the Department include high temperature coatings, ceramic composites, materials simulation, solidification processing, alloy design, heat treatment, corrosion, mechanical behavior, and solid freeform fabrication. The Department is looking for a highly knowledgeable and energetic individual who can quickly establish a first class research program that will complement existing programs.

An application, including curriculum vitae, list of references, and supporting materials, should be sent to the MMAT Search Committee, University of Connecticut, 97 N. Eagleville Road, Storrs, CT 06269-3136 or e-mailed to metdept@mail.ims.uconn.edu.

Screening of applications will begin on August 1, 1999 and will continue until the position is filled. For further information about the Department, visit our Web site at http://www.ims.uconn.edu/metal/.

The University of Connecticut is an Affirmative Action/Equal Opportunity Employer. We encourage applications from under-represented groups, including minorities, women and people with disabilities.

TO PLACE YOUR AD CONTACT
MARY E. KAUFOLD TODAY!
724-779-8312; kaufold@mrs.org

FACULTY POSITION
Princeton Materials Institute
Princeton University

The Princeton Materials Institute at Princeton University invites applications for a quarter-time visiting faculty position in advanced imaging, with a specialty in high resolution transmission electron microscopy, for 1999-2000, with possible renewal. A PhD degree, postdoctoral experience, a strong record of research accomplishment, and leadership skills required. The successful applicant will supervise the operation of the imaging facility, help develop and implement our new interdisciplinary graduate program in Materials, including teaching courses and supervising graduate students, and is expected to collaborate in joint research with the Materials faculty. Salary will be commensurate with experience.

Send a curriculum vitae, list of publications, reprints of significant publications, a short description of research interests, and the names of three references, by June 11, 1999 to: Dr. Robert Cava, Associate Director, Princeton Materials Institute, Bowen Hall, 70 Prospect Avenue, Princeton University, Princeton, NJ 08540.

Princeton University is an Affirmative Action/Equal Opportunity Employer.

Online Materials Research Society Membership Application:
http://www.mrs.org/membership/

Writing Wrongs

"Are an an and an a afore an acronym apropos?" asked an articulate author. "Aye, absolutely!" answered an august article.

Anon.

Truly well written research publications do make it into print. When you consider all the steps in the publication process and the impediments each may raise, one must marvel at the result. The many actors in the publication play—authors, editors, reviewers, publishers, and readers—do not all read from the same script. Getting the show on the road can therefore be daunting to say the least. Even what seem minor chores and peculiarities of the process can often become show stoppers. Undoubtedly, most readers of MRS Bulletin are authors too. You therefore have probably noticed that authoring and publishing can often be as painful as it is rewarding. Below we'll preach a little on the pain.

The Composition Conundrum

It cannot be repeated often enough that at the heart of a good article is an interesting, even fascinating, topic presented in a clear, compelling, and concise exposition. Whether the content is organized historically (with the beginning at the beginning) or axiomatically (with the end at the beginning), the context, criteria, and conclusions must be easily accessible to the intended audience. No matter how important the topic, it will not survive a badly botched composition.

Obvious, right? Unfortunately the one most expert on the topic, the one who has sweated through the experiments and calculations, the one whose ridden the highs of discovery and lows of bad data, is more often than not the one least prepared to compose the report. Being too close to the details leads us to give the readers more credit than they deserve. They will not automatically appreciate unstated underlying assumptions, be familiar with sub-specialty jargon, or find the relevance of each made point trivially obvious. After manuscripts have bounced back a few times from editors and reviewers (who are readers too), one is inclined to take a more pedagogically transparent approach. Having a long-in-the-tooth co-author also helps a lot. Once this is mastered, one can confidently submit with great pride and high hopes to a prestigious outlet, knowing full well that subsequent reviewer cri-