

1988 MRS Symposium on the Scientific Basis for Nuclear Waste Management Seeks Papers

The twelfth International Symposium on the Scientific Basis for Nuclear Waste Management, of the Materials Research Society, will be held October 10-13, 1988 at the Internationales Congress Centrum, Berlin, West Germany. Cosponsored by the Hahn-Meitner-Institut and other institutions, this symposium will focus on the science underlying waste forms (vitreous, ceramic, spent fuel, cement), waste isolation (container materials, backfill, repository), and modeling and performance assessment. Contributed papers are currently being sought on spent fuel, waste form characterization (glasses, ceramics, cement), waste package characterization and backfill, leaching mechanisms, natural analogues, radonucleide migration and speciation studies, *in situ* testing of waste forms, and repositories (site validation studies, performance assessment, and safety analysis).

Abstracts are due April 15, 1988 and authors will be notified of acceptance by May 15. Full papers are due August 1, 1988. The proceedings will be published by MRS in the MRS Symposium Proceedings series. Send abstracts to the Symposium Chairman: W. Lutze, Hahn-Meitner-Institut, Berlin GmbH, Glienicke Strasse 100, D-1000 Berlin 39, West Germany. Direct other correspondence to Ms. Helga Fuchs, Hahn-Meitner-Institut, Berlin GmbH, Glienicke Strasse 100, D-1000 Berlin 39, West Germany; telephone (30) 8009-2291; facsimile (30) 8009-2999; or telex 185 763.

International Symposium on the Reactivity of Solids Scheduled for June

The Eleventh International Symposium on the Reactivity of Solids will be held in the United States, June 19-24, 1988. This is the eleventh in a series of international symposia held every four years, and the second to be held in the United States. The scientific program includes both invited plenary lectures and poster sessions with introductory lectures and specialized discussions. Studies addressing the fundamental understanding of the underlying principles of the reactivity of solids, as well as those related to potential applications, are welcome.

Topics include materials chemistry and new synthesis routes; reactivity in mineralogical (geological) systems, and

reactions under extreme conditions; ceramics; reactions in and around thin films; amorphous and poorly crystalline materials; ultrafast processes in solids and nanoscale composites (including surface modification); the organic solid state; and theory and computation; and chemistry and reactivity of superconductors.

The meeting will be held at Princeton University, midway between New York City and Philadelphia. Accommodations for attendees will be available in the University and at the Nassau Inn which is within walking distance of the University. It is ideally located for sightseeing and for visits to key academic, government and industrial research organizations active in studying the reactivity of solids.

For further information, contact M.S. Whittingham at P.O. Box 669, Ridgefield, CT 06877, telephone (203) 431-5419. All papers presented at the meeting will be published in a proceedings volume.

First World Congress on Superconductivity Slated for February

The First World Congress on Superconductivity, February 20-24, 1988, at Houston's Westin Galleria Hotel, will

bring together international scientific, government, business and research leaders to discuss technological developments, international technology transfer, product applications in the materials, electrical power, space, transportation, communications, and computer industries, multinational patent and license policies, and joint research funding. The Congress will encompass the full spectrum of world research leadership, policy formulation, the academic community, and industry development. It will form a multinational, multidisciplinary organization in an open exchange of ideas, developments, plans, concerns and policies to hasten the advancement of the technology to the benefit of all mankind.

Scheduled events include three days (February 22-24) of presentations and panel discussions, a Sunday evening reception (February 20), a Tuesday evening banquet (February 23), and four pre-conference short courses (February 20-21). The Materials Research Society will conduct these specially selected short courses relevant to the new superconductivity materials.

For registration or information, contact C.G. Burnham, World Congress on Superconductivity, P.O. Box 1700, 5 GWP 15th Floor, Houston, TX 77001; telephone (713) 623-3357. □

Frontiers of Electron Microscopy in Materials Science: Surfaces and Interfaces

May 16-19, 1988 ■ Oak Brook, Illinois

International forum on the applications of advanced electron microscopy will focus on problems in surface and interface science. A special evening session on the electron microscopy of high T_c superconductors will be held at Argonne National Laboratory.

Contributed papers are solicited on: Metals (clusters, phase transformations, grain boundaries, multilayers); HREM (interface studies, defects); AEM (interface and surface chemistry); ceramics (structure and grain boundaries); electronic materials (semiconductors, superconductors, multilayers); HVEM (*in situ*, corrosion); surfaces (profile imaging, reflection electron microscopy, surface reactions); STM (microscopy, spectroscopy); novel techniques (transverse sectioning, sample preparation); interfaces (homophase, heterophase).

Abstracts are due February 15, 1988. The proceedings will be published as a regular issue of the journal *Ultramicroscopy*. Contact Wayne E. King, L-356, Chemistry and Materials Science Department, Lawrence Livermore National Laboratory, Livermore, CA 93550; telephone (415) 423-6547.