

MRS**BULLETIN**

MATERIALS RESEARCH SOCIETY, VOL. VII NO. 2, MARCH/APRIL 1982

1982 ANNUAL MEETING

The 1982 Annual Meeting of the Materials Research Society will be held in the Boston, Massachusetts, Park Plaza Hotel November 1-4. This year's meeting, organized by a committee consisting of Lynn A. Boatner, Oak Ridge National Laboratory, Leroy L. Chang, IBM Thomas J. Watson Research Center, and Elton N. Kaufman, Lawrence Livermore National Laboratory, will consist of 15 interdisciplinary, topical symposia, a plenary session, business meetings and award ceremonies. Non-members (as well as members of the Society) are welcome to attend and participate, and will be enrolled as members automatically as part of their registration.

The Plenary Session on Nov. 1 is entitled "Materials R&D in the U.S. - Are We Still Competitive?" Chaired by A. R. C. Westwood of Martin Marietta Laboratory, the session will feature distinguished invited speakers who will present their views on this subject and identify the crucial issues that must be addressed if materials research and development is to improve.

The Society's greatest honor, the Von Hippel Award, will be bestowed at a special ceremony Nov. 2, on a scientist who, in the judgment of the MRS leadership, best exemplifies the rigorous scientific approach and interdisciplinary spirit required to advance materials science. At past annual meetings remarks by the Von

Hippel winner have proved especially memorable and popular gatherings.

At the Von Hippel ceremony the Graduate Student Awards also will be presented. Articles about the student and Von Hippel awards appear elsewhere in this issue of the Bulletin.

Fifteen symposia will be available this year, one more than last. The newest symposium is called **Frontiers of Materials Research**, and will consist of 40-minute authoritative lectures by leaders in a field to give non-specialists a survey of the most recent developments in that field. Two lectures will be given daily Nov. 1-3 during the luncheon period, for a total of six.

These lectures will later be published in the *Journal of Educational Modules for Materials Science and Engineering*, part of the National Science Foundation's educational venture for the worldwide materials science community. The symposium is chaired by *Rustum Roy*, Director, Materials Research Laboratory, The Pennsylvania State University, University Park, PA 16802, (814) 865-3421.

The other symposia and their chairmen are:

Laser/Solid Interactions and Transient Thermal Processing of Materials, chaired by **J. Narayan**,

Solid State Division, Oak Ridge National Lab., Oak Ridge, TN 37820, (615) 574-5508, FTS 624-5508; **R. A. Lemons**, Bell Laboratories, Holmdel, NJ 07733, (201) 949-3176; and **W. L. Brown**, Bell Laboratories, Murray Hill, NJ 07974, (201) 582-3941.

Defects in Semiconductors, chaired by **S. Mahajan**, Bell Laboratories, Murray Hill, NJ 07974, (582-2137), and **J. W. Corbett**, Department of Physics, SUNY, Albany, NY 12222, (518) 457-8315.

Interfaces and Contacts, chaired by **R. Ludeke**, IBM Watson Research Laboratory, P.O. Box 218, Yorktown Heights, NY 10598, (914) 945-2591; and **K. Rose**, Rensselaer Polytechnic Institute, ESCE Department, Troy, NY 12181, (518) 270-6313.

Scientific Basis for Nuclear Waste Management, chaired by **Douglas G. Brookins**, Department of Geology, University of New Mexico, Albuquerque, NM 87131, (505) 277-2310 or (505) 277-4204.

Alloy Phase Metals, chaired by **L. H. Bennett**, National Bureau of Standards, Metallurgy Division, Washington, DC 20234, (301) 921-2981; **B. C. Giessen**, Chemistry Department, Northeastern University, Huntington Ave., Boston, MA 02115, (617) 437-2827; and **T.**

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B. Massalski, Carnegie Mellon Univ., Mellon Institute, Pittsburgh, PA 15213, (412) 578-2708.

Nuclear Radiation Detector Materials, chaired by **E. E. Haller**, Bldg. 70A/4473, Lawrence Berkeley Lab., Berkeley, CA 94720, (415) 486-5294; **W. A. Higinbotham**, Bldg. 197C, Brookhaven National Lab., Upton, NY 11973, (516) 282-2908; and **H. W. Kraner**, Bldg. 535B, Brookhaven National Lab., Upton, NY 11973, (516) 282-4238.

Superconducting Materials, chaired by **T. H. Geballe**, W. W. Hansen Research Laboratory, Dept. of Applied Physics, Stanford University, Stanford, CA 94305, (415) 497-0215; and **J. Bevk**, Bell Laboratories, 6E-32B, 600 Mountain Avenue, Murray Hill, NJ 07974, (201) 582-5913.

Intercalated Graphite, chaired by **M. S. Dresselhaus**, Center for Materials Sci. & Eng., M.I.T., Cambridge, MA 02139, (617) 253-6864; **M. J. Moran**, Chemistry Department, West Chester State College, West Chester, PA 19380, (215) 436-2476; and **J. E. Fischer**, Moore School of EES D2, U. of

Pennsylvania, Philadelphia, PA 19104, (215) 243-6924.

Laser Diagnostics and Photochemical Processing for Semiconductor Devices, chaired by **R. M. Osgood**, Dept. of Electrical Engineering/Columbia Radiation Lab., Columbia University, New York, NY 10027, (212) 280-4462 or 3103; and **S. R. J. Brueck**, MIT - Lincoln Lab., Wood Street, Lexington, MA 02173, (617) 862-5500 x5557.

Solar Energy Photoconversion: Materials and Devices, chaired by **L. L. Kazmerski**, Solar Energy Research Institute, 1617 Cole Boulevard, Golden, CO 80401, (303) 231-1115; and **M. S. Wrighton**, Department of Chemistry, Massachusetts Institute of Technology, Cambridge, MA 02139, (617) 253-1597.

Advanced Methods of Catalyst Characterization, chaired by **K. Klier**, Sinclair Laboratory, Bldg. #7, Lehigh University, Bethlehem, PA 18015, (215) 861-3577.

Heterogeneous and Cluster Catalysts for CO-H₂ Reactions, chaired by **E. L. Kugler**, Exxon Research & Engineering Co., P.O. Box 45, Linden, NJ 07036, (201) 474-3301; and **D. W. Goodman**,

Division 5114, Sandia Laboratories, P.O. Box 5800, Albuquerque, NM 87185, (505) 844-5435.

Effect of Surface and Colloid Phenomena on Properties of Fresh Concrete, chaired by **Jan. P. Skalny**, Martin Marietta Laboratories (301) 247-0700; and **Sidney Diamond**, Purdue University, (317) 494-5016.

Ceramics from Solutions: Sol-gel and Fine Powder Technologies, chaired by **D. E. Harrison**, Manager, Nuclear Materials Department, Westinghouse R & D Center, 1310 Buelah Rd., Pittsburgh, PA 15235, (Tel: (412) 256-7841).

In general, the deadline for abstracts to be in the hands of symposia chairmen is June 15. Abstracts must be in the form specified in the Preliminary Announcement.

The Announcement, which includes more complete information about the meeting and a form for reserving accommodations at the conference hotel, will be mailed to members shortly. Others can request a copy from the Materials Research Society Secretariat, Ernest M. Hawk, Executive Secretary, 110 Materials Research Laboratory, University Park, PA 16802, (814) 865-2424.