
BOSTON IN BRIEF

An Overview Of What's On Tap For The Society's Best-Ever Meeting For Materials Science Professionals

The largest, most comprehensive, and most exciting gathering of materials professionals is the 1984 Annual Meeting of the Materials Research Society. In a thumbnail, the program appears below.

The program will include 17 technical symposia, nine short courses, a Plenary Session, and the award of the most prestigious honor in materials science, the Arthur Von Hippel Award. The meeting also will feature a new equipment exhibition and a job placement center.

The meeting will be held Nov. 26-30 at the Boston, Massachusetts, Marriott Hotel/Copley Place. The short courses will be offered Nov. 30-Dec. 1.

SYMPOSIA

Chairing the meeting are Paul Peercy, Sandia National Laboratories, Walter Brown, AT&T Bell Laboratories, and Jagdish Narayan, Oak Ridge National Laboratory. They report that the following symposia will be offered:

- "Energy Beam-Solid Interactions and Transient Thermal Processing,"
- "Laser Chemical Processing of Semiconductor Devices,"
- "Impurity Diffusion and Gettering in Semiconductors,"
- "Layered Structures, Epitaxy, and Interfaces,"
- "Catalysis by Solids: Bulk Properties, Surface Properties, and Defects,"
- "Plasma Synthesis and Etching of Electronic Materials,"
- "High Temperature Ordered Intermetallic Alloys,"
- "Hydrogen in Metals: Physics, Metallurgy, and Engineering Approaches,"
- "Intercalated Graphite,"
- "Electronic Packaging Materials Science,"
- "Advanced Photon and Particle Techniques for Characterization of Defects and Defect-related Reactions in Solids,"
- "The Potential for Very High Strength Cement-based Materials,"
- "Coal Combustion and Conversion Wastes: Characterization, Utilization, and Disposal,"
- "Scientific Basis for Nuclear Waste Management,"
- "Alloy Phase Diagrams,"
- "Fractal Aspects of Materials: Metal and Catalyst Surfaces, Powders, and Aggregates," and
- "Frontiers of Materials Science."

PLENARY SESSION

Dean E. Eastman, co-chairman of the Major Materials Facilities Committee of the National Academy of Sciences, will report the Committee's recommendations, which will influence the future growth of key materials laboratories supported by the United States.

SHORT COURSES

Nine one- or two-day short courses have been scheduled. They are:

- Surface and Thin Film Analysis
- Ion Implantation Into Metals
- Ion Implantation Into Semiconductors
- Liquid-phase Epitaxy Techniques
- Molecular Beam Epitaxy
- Chemical Vapor Deposition
- Vacuum Technology
- Pumping Hazardous Gases
- Modern Analytical Techniques in Corrosion Research

EQUIPMENT SHOW

The interest of the materials community in an equipment exhibit uniquely relevant to its disparate needs has at last been met by the MRS's new Equipment Show. Among the organizations expected to participate are Air Products and Chemicals, Digital Equipment, EG&G ORTEC, Harshaw/Filtrol, Helionetics, Hitachi Scientific Instruments, JEOL/USA, Modern Instrumentation Laboratory, Perkin-Elmer/Physical Electronics, and Philips Electronic Instruments.

VON HIPPEL AWARD

A highlight of the MRS Annual Meeting is the presentation to an outstanding materials scientist of the Society's Arthur Von Hippel Award. The Award is named for the Emeritus Professor of the Massachusetts Institute of Technology whose laboratory pioneered the collaborative, interdisciplinary research that subsequently has taken the identity of "materials science."

JOB PLACEMENT SERVICE

This year for the first time, a meeting room at the conference hotel will be dedicated to this activity.

SHORT COURSES

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Research Centre. Nov. 30-Dec. 1.

- "Vacuum Technology," M.H. Hablanian, Varian Vacuum Division. Nov. 30-Dec. 1.
- "Pumping Hazardous Gases," D.B. Fraser, AT&T Bell Laboratories. Nov. 30.
- "Modern Analytical Methods in Corrosion Research," L.W. Hobbs, Massachusetts Institute of Technology; F. Pettit, University of Pittsburgh; J. Lumsden, Rockwell International Science Center, and D. Mitchell, National Research Council of Canada. Nov. 30-Dec. 1.