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# NEW MEETING HOTEL

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*The Boston Marriott/Copley Place Is Selected  
To Provide Optimal Surroundings For The Annual Meeting*

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The continuing growth in the membership of the Materials Research Society has dictated a change in our meeting site. For that reason, this year's Annual Meeting will be held at one of Boston's newest and finest hotels, the Boston Marriott/Copley Place.

## **New Facilities—Traditional Charm**

The Boston Marriott/Copley Place opened its doors May 20, and offers our Society the very latest in meeting facilities—including facilities for our new Equipment Show—combined with the charm and convenience of downtown Boston. The hotel rises 38 stories above Copley Plaza, with its 18th-century historic sites and its 20th-century office buildings. It's connected by a skywalk to the Prudential Center, the Hynes Auditorium and Civic Center, and a business/shopping complex with 75 boutiques, specialty shops, and department stores. In the Marriott itself, there are three restaurants, ranging from an old-fashioned delicatessen to an elegant eating place. One of the two lounges features an oyster bar.

## **Room for Work—And Relaxation**

The Marriott's meeting facilities are exceptional. Symposia of every size can be comfortably accommodated, the general sessions enhanced, and the equipment exhibition most conveniently situated.

At day's end, guest rooms furnished with 18th-century styled furniture, rather than the usual "motel modern" decor, beckon, as do a year-round indoor pool, a health club, exercise equipment, and saunas. The Boston Marriott/Copley Place is only 15 minutes from Logan Airport. It's next to the Massachusetts Turnpike, and directly connected to the Back Bay Transportation Center, with its rail, subway, and bus terminals. Combine this superb location with the outstanding facilities, and the Materials Research Society has the ingredients for the most successful—and enjoyable—Annual Meeting yet.



**BOSTON MARRIOTT/COPLEY PLACE**, rising 38 stories above the heart of the city, has the finest facilities for the expanded 1984 Annual Meeting of the Materials Research Society

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## CONFERENCE ON MATERIALS FOR PROCESS INDUSTRIES

Recent changes in the process industries often require superior materials and techniques, many of which will be explored at the conference on "Advances in Materials Technology for Process Industries' Needs," to be held Oct. 29-31 at the Atlanta Hilton Hotel.

Sponsored by the Federation of Materials Societies and managed by the National Association of Corrosion Engineers, the conference is intended to serve technical managers, developers, designers, and operators in the processing industries, and those involved in selecting materials and preventing corrosion, in addition to the developers or such materials and techniques.

Registration is \$225 in advance. For information contact:  
Dale Miller  
National Association of Corrosion Engineers  
P.O. Box 218340  
Houston, Texas 77218  
(713) 492-0535



# Fall Meeting & Show

**Boston**  
**November 26-30**  
at the  
Boston Marriot Hotel Copley Place

**Show: November 27-29**  
**Exhibitors (as of 6/5/84)**

Acton Research  
A G Associates  
Air Products and Chemicals  
Amplifier Research  
ARL  
Atomika  
Blake Industries  
CARBORUNDUM  
Cryomagnetics  
Cryo Systems  
CTI-Cryogenics  
Digital Equipment  
Dycor Electronics  
Eaton/Ion Beam Systems  
EDAX International  
EG&G ORTEC  
EG&G Princeton Applied Research  
Gatan  
General Ionex  
Harshaw/Filtrol  
Helionetics  
Hitachi Scientific Instruments  
Huntington Labs  
Innovative Technology  
Instrument Technology Ltd  
Instruments SA/Riber  
International Advanced Materials  
Ion Tech Ltd  
Janis Research  
JEOL/USA  
Keithley Instruments  
KeveX  
Kimball Physics  
Klinger Scientific  
Lake Shore Cryotronics  
Lambda Physik  
Laser Science  
LeCroy Research Systems  
Leitz  
LeMont Scientific  
Kurt Lesker  
Leybold-Heraeus  
Lumonics  
Microscience  
MKS Instruments  
Modern Instrumentation Laboratory  
National Electrostatics  
NESLAB Instruments  
Newport  
NGS Associates  
Nicolet  
NSLS  
NUCLIDE/AGV  
Oriel

**Technical Program**  
**November 26-30, 1984**

A series of interdisciplinary symposia on topics at the forefront of materials research, ranging from basic research to applications. The goal is to insure that all possible physical, chemical, and engineering insights are considered for the topic under examination. Symposium topics are:

- A. Energy Beam-Solid Interactions and Transient Thermal Processing**
- B. Laser Chemical Processing of Semiconductor Devices**
- C. Impurity Diffusion and Gettering in Semiconductors**
- D. Layered Structures, Epitaxy, and Interfaces**
- E. Catalysis by Solids: Bulk Properties, Surface Properties, and Defects**
- F. Plasma Synthesis and Etching of Electronic Materials**
- G. High Temperature Ordered Intermetallic Alloys**
- H. Hydrogen in Metals: Physics, Metallurgy, and Engineering Approaches**
- I. Intercalated Graphite**
- J. The Potential for Very High Strength Cement-Based Materials**
- K. Advanced Techniques for the Characterization of Defects in Solids**
- L. Electronic Packaging Materials Science**
- M. Coal Combustion and Conversion Wastes: Characterization, Utilization, and Disposal**
- N. Scientific Basis for Nuclear Waste Management**
- O. Alloy Phase Diagrams**
- P. Fractal Aspects of Materials: Metal Catalyst Surfaces, Powders and Aggregates**
- X. Frontiers in Materials Science (invited papers only)**

For meeting & short course information, contact: John B. Ballance,  
Executive Director  
Materials Research Society  
9800 McKnight Road,  
Suite 327  
Pittsburgh, PA 15237  
Telephone (412) 367-3003

**Short Courses**  
**November 30-December 1**

A program of one- and two-day short courses will complement the science and technology presented in the technical symposia and provide an introduction to other current technologies. Short course topics are:

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

**Exhibitors Con't (as of 6/5/84)**

Oxford Instruments  
Perkin Elmer/Physical Electronics  
Perkin Elmer/Vacuum Products  
Philips Electronic Instruments  
Photochemical Research  
Associates  
Physicon  
Questek  
Rigaku/USA  
Rudolph Research  
Scintag  
Semiconductor  
Processing  
S.I.C./McPherson  
L.M. Simard  
Southbay  
Technology  
SPECTRAMASS  
Spex Industries  
Spire  
Structure Probe  
Surface Science Laboratories  
Tachisto  
Thermionics Laboratory  
Tracor Northern  
UHV Instruments  
Vacuum Science Workshop  
Veeco  
VG Instruments

**Show information:**  
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American Institute of Physics  
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Telephone (212) 661-9404