

CALENDAR

Upcoming: Seventh Annual Symposium on Electronic Materials, Processing and Characterization, June 6-7; Sixth International Conference on Ion Beam Modification of Materials, Tokyo, June 12-17; JSAP-MRS International Conference on Electronic Materials, Tokyo, June 13-15; Processing and Applications of High T_c Superconductors (1988 TMS Northeast Regional Meeting), New Jersey, May 9-11

To list an event in the Calendar, contact Julia Phillips, AT&T Bell Laboratories, 600 Mountain Avenue IE-431, Murray Hill, NJ 07974; telephone (201) 582-4428.

MRS indicates the meeting is sponsored by or affiliated with the Materials Research Society.

See MRS BULLETIN Vol. XIII No. 4 for Calendar events from May 1 through May 31, 1988.

JUNE 1988

- 1-3
Fifth Conference on Semi-Insulating III-V Materials
Malmö, Sweden
P. Omling, Dept. of Solid State Physics, University of Lund, Box 118, S-221 00 Lund, Sweden; 46-46-107000
- 2-4
Topical Meeting on High-Temperature Superconducting Electron Devices
Miyagi, Japan
K. Mizusawa, Research & Development Association for Future Electron Devices, Fukide Bldg. No. 2, 4-1-21 Toranomon, Minato-ku, Tokyo, 105 Japan; 81-03-434-3893
- 4-5
Short Course on Thermal Analysis in Materials Characterization
Toronto, Ontario, Canada
American Chemical Society, Dept. of Continuing Education, Short Course 503, 1155 Sixteenth St. NW, Washington, DC 20036; (202) 872-4508, ext. 503
- 5-8
48th Annual Conference on Physical Electronics
Upton, NY
J.W. Davenport, Physics Department, Bldg. 510A, Brookhaven National Lab, Upton, NY 11973; (516) 282-3789
- 5-11
American Chemical Society Annual Meeting
Toronto, Ontario
American Chemical Society, 1155 16th St. NW, Washington, DC 20036; (202) 872-4600

- 6-7
MRS Seventh Annual Symposium on Electronic Materials, Processing and Characterization
Dallas, TX
M. Bennett, Seventh Annual Symposium, P.O. Box 830914, Richardson, TX 75083-0914; (214) 995-0821
- 6-8
International Conference on Laser Technologies in Industry
Porto, Portugal
Secretariat, Laser Technologies in Industry, Laboratório de Física, Faculdade de Ciências, Universidade do Porto, 4000 Porto, Portugal; 351-2-310290 ext. 235
- 6-10
Short Course on Transmission Electron Microscopy of Materials
Summer Session Office, MIT, 50 Ames, Room E19-356, Cambridge, MA 02139
- 6-17 (cont'd August 15-19)
Short Course in X-Ray Spectrometry
Albany, NY
H. Chessin, State University of New York, Dept. of Physics, 1400 Washington Ave., Albany, NY 12222; (518) 442-4512
- 7-10
International Conference on Cryogenic Materials Applications and Properties
Shenyang, China
E.W. Collins, Battelle Memorial Institute, Columbus, OH 43201; (614) 424-4355
- 7-10
Seventh International Conference in Ion Implantation Technology
Kyoto, Japan
T. Takagi, Kyoto University, Sakyo-ku, Kyoto 606, Japan
- 12-17
MRS Sixth International Conference on Ion Beam Modification of Materials
Tokyo, Japan
K. Gamo, Dept. of Electrical Engineering, Osaka University, Toyonaka, Osaka 560, Japan
- 13-15
MRS JSAP-MRS International Conference on Electronic Materials
Tokyo, Japan
T. Kamiya, Dept. of Electronic Engineering, University of Tokyo 7-3-1, Hongo, Bunkyo-ku, Tokyo 113, Japan; telex: 2722111 FEUT J. U.S. Coordinator: R.P.H. Chang, Dept. of Materials Science & Engineering, Northwestern University, Evanston, IL 60208
- 13-17
Basic Short Course on Scanning Electron Microscopy and X-ray Microanalysis
Bethlehem, PA
J.I. Goldstein, Dept. of Materials Science and Engineering, Lehigh University, Bethlehem, PA 18015; (215) 758-5133
- 14-16
Second Electronics Materials and Process Conference
Seattle, WA
SAMPE, 843 West Glentana, Box 2459, Covina, CA 91722; (818) 331-0616
- 19-24
11th International Symposium on the Reactivity of Solids
Princeton, NJ
M.S. Wittingham, P.O. Box 669, Ridgefield, CT 06877-0669; (203) 431-5419
(See related article in Vol. XII No. 7.)
- 20-23
Short Course on Advanced Topics in Scanning Electron Microscopy and X-ray Microanalysis
Bethlehem, PA
J.I. Goldstein, Dept. of Materials Science and Engineering, Lehigh University, Bethlehem, PA 18015; (215) 758-5133
- 20-24
Seventh Penn State Read Conference on Electrodeposition
University Park, PA
H.W. Pickering, Pennsylvania State University, 326 Steidle Bldg., University Park, PA 16802; (814) 863-2640
- 20-24
Workshop on Ion Beam Technology and Equipment 1988
Shanghai, China
S.C. Tsou, Shanghai Institute of Metallurgy, Shanghai, China

- 20-29
Workshop in Advanced Electron Microscopy
Berkeley, CA
M. Moore, Lawrence Berkeley Laboratory, Bldg. 72, Berkeley, CA 94720
- 20-1
Short Course in X-Ray Powder Diffraction
Albany, NY
H. Chessin, State University of New York, Dept. of Physics, 1400 Washington Ave., Albany, NY 12222; (518) 442-4512
- 20-1
NATO Advanced Study Institute on Reduced Thermal Processing for ULSI
Boca Raton, FL
R.A. Levy, AT&T Bell Laboratories, Rm. 2D-311, Murray Hill, NJ; (201) 582-7375
- 20-September 9
Research Workshop in Condensed Matter, Atomic & Molecular Physics
Trieste, Italy
ICTP, P.O. Box 586, Miramare, Strada Costiera 11, 34100 Trieste, Italy; 39-40-2240-1
- 21-24
Fifth Working Symposium on Applied Surface Analysis
Jülich, W. Germany
H. Nickel, Institut für Reaktorwerkstoffe, KFA Jülich GmbH, Postfach 1913, D-5170 Jülich, W. Germany
- 22-24
30th Electronic Materials Conference
Boulder, CO
Meetings Dept., The Metallurgical Society, 420 Commonwealth Dr., Warrendale, PA 15086; (412) 776-9050
- 22-24
Workshop on Novel Applications of High-Temperature Superconductors
Cambridge, MA
R.N. Rose, Dept. of Materials Science & Engineering, MIT, Room 4-132, Cambridge, MA 02139; (617) 253-3230

26-30
International Symposium on Optical Engineering and Industrial Sensing
SPIE, P.O. Box 10, Bellingham, WA 98227-0010, (206) 676-3290; or Koblenzer Strasse 34, D-5300 Bonn 2, W. Germany, 49-228-36-15-46

27-3
First Asia-Pacific Conference on Condensed Matter Physics: High Temperature Superconductivity Singapore
Dept. of Physics, National University of Singapore, Kent Ridge, Singapore 0511, Republic of Singapore;
65-2786188/7756666

28-7
Summer School on Chemical Physics of Atomic and Molecular Clusters
Varenna, Italy
G. Scoles, Chemistry Dept., Princeton University, 10 Frick Chemical Lab, Princeton, NJ 08544

29-2
Pallo Workshop on Molecular Structure, Dynamics and Recognition
Siena, Italy
N. Niccolai, Dept. of Chemistry, University of Siena, I-53100 Siena, Italy

JULY 1988

3-15
International School of Materials Science and Technology 15th Course: Solid State Microbatteries Sicily, Italy
M. Balkanski, Laboratoire de Physique du Solide, Université Pierre et Marie Curie, 4 Place Jussieu, 75230 Paris, Cedex 05, France; 43-36-2525, ext. 4501; U.S. Coordinator: J.R. Akridge, Eveready Battery Co., Inc. Technology Laboratory, P.O. Box 43035, Westlake, OH 44145; (216) 835-7734

11-14
Risk Assessment of Chemicals in the Environment
Guildford, United Kingdom
J.F. Gibson, Royal Society of Chemistry, Burlington House, London W1V 0BN, United Kingdom

18-21
Fourth International Conference on the Structure of Non-Crystalline Materials
Oxnard, CA
C.N.J. Wagner, Dept. of Materials Science and Engineering, 6531 Boelter Hall, UCLA, Los Angeles, CA 90024-1595; (213) 825-6265

18-21
Symposium on Carbon Fibers and Composites
Buffalo, NY
D.D.L. Chung, Dept. of Mechanical & Aerospace Engineering, SUNY, Buffalo, NY 14260; (716) 636-2520

18-21
16th International Conference on Quantum Electronics
Tokyo, Japan
IQEC '88 Secretariat, OITDA, 20th Mori Bldg., 7-4, Nishi-Shimbashi 2-chome, Minato-ku, Tokyo 105, Japan; 813 508 2091

19-22
19th Annual Meeting of Fine Particle Society
Santa Clara, CA
Fine Particle Society, L-117 Keplinger Hall, University of Tulsa, Tulsa, OK 74104; (918) 587-6150

21-22
Short Course on the Fabrication of Carbon Fiber Polymer-Matrix Composites
Buffalo, NY
D.D.L. Chung, State University of New York, Dept. of Mechanical & Aerospace Engineering, Buffalo, NY 14260; (716) 636-2520

24-27
21st Annual Convention of the International Metallographic Society
Toronto, Ontario, Canada
J. Wylie, Tech-Met Canada Ltd./L.Tee., 80 Milner Ave., Unit 9, Scarborough, Ontario, M1S 3P8 Canada; (416) 291-9831

25-29
Course on Engineering of Semiconductor Materials GaAs and Si
Cambridge, MA
Director of Summer Sessions, 50 Ames, Rm. E19-356, Massachusetts Institute of Technology, Cambridge, MA 02139; (617) 253-2101

25-29
International Conference on Magnetism
Paris, France
ICM88, Office de Tourisme de Paris, Cmt. Parisien des Congres, 127 Ave. des Champs-Elysees, F-75008, Paris Cedex, France

31-5
Advances in Cement Manufacture and Use
Henniker, NH
Engineering Foundation, 345 East 47th St., New York, NY 10017; (212) 705-7835

AUGUST 1988

1-5
Gordon Conference on Glass Structure and Its Effect on Properties
Tilton, NH
Gordon Research Conferences, Univ. of Rhode Island, Kingston, RI 02881; or J.H. Simmons, Univ. of Florida, Gainesville, FL 32611, (904) 462-5469

2-4
International Metals and Metals Processing Conference—Space Age Metals and Technology
Dayton, OH
SAMPE, 843 West Glentana, Box 2459, Covina, CA 91722; (818) 331-0616

7-12
Electron Microscopy Society of America Annual Meeting and Symposium on Electron Microscopy of Ceramic Superconductors
Milwaukee, WI
E. Ruffing, Scherago Associates, 1515 Broadway, New York, NY 10036

8-11
Third International Conference on Applications of Artificial Intelligence in Engineering
Los Angeles, CA
L. Newman, Computational Mechanics Institute, 52 Henstead Rd., Southampton, S01 2DD, United Kingdom; 44-703-221398

8-12
Fifth Trieste Semiconductor Symposium and Fourth International Conference on Superlattices, Microstructures and Microdevices
Trieste, Italy
G. Dohler, University of Erlangen, Erwin-Rommel-Str. 1, 852 Erlangen, W. Germany; 49-9131-857294

14-19
32nd Annual International Technical Symposium on Optical Optoelectronic Applied Science and Engineering
San Diego, CA
SPIE, P.O. Box 10, Bellingham, WA 98227-0010; (206) 676-3290

15-19
12th International Liquid Crystal Conference
Freiburg, W. Germany
H. Stegemeyer, Institut für Physikalische Chemie der Universität-GH-Paderborn, Warburger Strasse 100, D-4790 Paderborn, W. Germany

15-19
19th International Conference on Physics of Semiconductors
Warsaw, Poland
J. Kossut, Institute of Physics, Polish Academy of Science, Al. Lotnikow 32/46, 02-668 Warsaw, Poland

21-25
Applied Superconductivity Conference
San Francisco, CA
C. Henning, L-644, Lawrence Livermore National Lab, Livermore, CA 94550

21-26
Short Course on Scanning Electron Microscopy
Davis, CA
D.G. Howitt, Dept. of Mechanical Engineering, University of California, Davis, CA 95616; (916) 752-1164, also ext. 6910 and 7123

22-25
Nonlinear Optical Properties of Materials
Troy, NY
Meetings Dept., Optical Society of America, 1816 Jefferson Pl. NW, Washington, DC 20036

23-26
Eighth European Symposium on Polymer Spectroscopy
Budapest, Hungary
A. Rockenbauer, Central Research Institute for Chemistry, P.O. Box 17, H-1525 Budapest, Hungary

23-27
Workshop on Interface Phenomena - Adhesion and Friction: Microscopic Concepts
Halifax, Nova Scotia, Canada
H.J. Kreuzer, Physics Dept., Dalhousie Univ., Halifax, Nova Scotia B3H 3J5, Canada

24-26
Workshop on Quantum Aspects of Molecular Motions in Solids
Turku, Finland
P. Ingman, Wihun Physical Laboratory, University of Turku, SF-20500, Turku, Finland

24-26
International Conference on Solid State Devices and Materials
Tokyo, Japan
Business Center for Academic Societies Japan, Yamazaki Bldg. 4F, 40-14, Hongo 2-chome, Bunkyo-ku, Tokyo 113, Japan; 03 817 5831

28-1
Fifth International Conference on Molecular Beam Epitaxy
Sapporo, Japan
J. Konagai, Dept. of Electrical & Electronic Engineering, 2-12-1, Okayama, Meguro-ku, Tokyo 152, Japan; 03-726-1111, ext. 2554

28-10
Structure-Property Relationships in Surface Modified Ceramics, Theory and Applications
NATO Advanced Study Institute
Pisa, Italy
C.J. McHargue, Metals and Ceramics Division, Oak Ridge National Laboratory, P.O. Box X, Oak Ridge, TN 37831-6118; (615) 574-4344

(See related article in Vol. XII No. 5.)

CALENDAR

29-1
11th IEEE International Semiconductor Lasers Conference
Boston, MA
R.T. Wangeman, IEEE-LEOS, 345 East 47th Street, New York, NY 10017; (212) 705-7943

29-2
International Conference on Defects in Insulating Crystals
Parma, Italy
R. Capelletti, Dept. di Fisica, Via M. D'Azeglio 85, 43100 Parma, Italy

29-2
Polycrystalline Semiconductors '88 - Physical Properties of Grain Boundaries and Interfaces
Malente, W. Germany
H.J. Möller and H.P. Strunk, Technische Universität Hamburg-Harburg, Eissendorfer Strasse 42, 2100 Hamburg 90, W. Germany
(See related article in this issue.)

29-2
Symposium on Electronic Structure and Properties of Molecules and Crystals
Dubrovnik, Yugoslavia
Z.B. Maksic, Ruder Boskovic Institute, P.O. 1016, 41001 Zagreb, Yugoslavia

SEPTEMBER 1988

4-9
International Symposium on Metal-Hydrogen Systems
Fundamentals and Applications
Stuttgart, W. Germany
E. Fromm, Max Planck für Metallforschung, Institut für Wirkstoff Wissenschaften, Seestrasse 92, D-7000 Stuttgart 1, W. Germany

4-9
Ninth European Congress on Electron Microscopy
York, United Kingdom
Congress Secretariat, The Royal Microscopical Society, 37-38 St., Clements, Oxford OX4 1AJ, United Kingdom

4-16
NATO Summer School on Plasma Surface Interactions and Processing of Materials
Alicante, Spain
O. Auciello, North Carolina State University, Dept. of Nuclear Engineering, Raleigh, NC 27695-7907; (919) 737-7662

6-8
Boundary Element Method Conference
Southampton, United Kingdom
L. Newman, Computational Mechanics Institute, 52 Henstead Rd., Southampton, S01 2DD, England; 44-703-221398

6-9
International Symposium and Exhibition on Fiber Optics, Optoelectronics, and Laser Applications in Science and Engineering
Boston, MA
SPIE, P.O. Box 10, Bellingham, WA 98227-0010; (206) 676-3290

12-16
Course on Biomaterials Degradation
Oporto, Portugal
M.A. Barbosa, Dept. of Metallurgy, Faculty of Engineering, Rua dos Bragas, 4099 Porto Codex, Portugal

12-16
International Conference on Surface Modification of Metals by Ion Beams
Riva Del Garda, Italy
Secretary, IRST, 38050 Povo, Trento, Italy; 39-0461-810-105

12-16
International Conference on Teaching Solid State Physics
Munich, W. Germany
K. Luchner, Universität Munich, Sektion Physik, Schellingstr. 4, D-8000 Munich 40, W. Germany

12-16
18th Rare Earth Research Conference
Lake Geneva, WI
L. DeLong, Dept. of Physics and Astronomy, Univ. of Kentucky, Lexington, KY 40506

13-15
Third Specialty Polymers Conference
Cambridge, UK
M. Heald, Butterworth Scientific Ltd., P.O. Box 63, Westbury House Bury St., Guildford, Surrey, GU2 5BH, UK; 44-0483-31261

13-16
Structure and Reactivity of Solids
Trieste, Italy
C. Morterra, Istituto de Chimica Fisica, Corso Massimo d'Azeglio 48, 1-10125 Torino, Italy

18-23
Carbon '88 Conference
Newcastle upon Tyne, United Kingdom
Conference Secretariat, Carbon '88, Society of Chemical Industry; 14/15 Belgrave Sq., London SW1X 8PS, United Kingdom; 44-01-235-3681

19-21
Tech Transfer Symposium on Influence of Interfaces on Materials Synthesis and Properties
Richland, WA
D.R. Baer, Battelle Pacific Northwest Laboratory, P.O. Box 999, Richland, WA 99352; (509) 375-2375

19-23
International Congress on Optical Science and Engineering
Hamburg, West Germany
SPIE, P.O. Box 10, Bellingham, WA 98227-0010; (206) 676-3290

20-22
International Conference on Microlithography—Microcircuit Engineering '88
Vienna, Austria
H. Loschner, Conference Secretary ME88, Erwin Schrodinger Association for Microsciences, Schreygasse 3/3, A-1020 Vienna, Austria

22-23
Workshop on the Oxidation of High-Temperature Intermetallics
Westlake, OH
G.M. Michal, Dept. of Materials Science & Engineering, Case Western Reserve University, 10900 Euclid Ave., Cleveland, OH 44106

24-30
World Materials Congress
Chicago, IL
ASM International, Metals Park, OH 44073; (216) 338-5151

25-29
TMS Fall Meeting
Chicago, IL
B. Kamperman, The Metallurgical Society, 420 Commonwealth Dr., Warrendale, PA 15086; (412) 776-9050

26-27
Symposium on Titanium Materials' Surfaces and Interfaces, in conjunction with TMS Fall Meeting
Chicago, IL
G. Welsch, Case Western Reserve University, Dept. of Materials Science and Engineering, 516 White Bldg., 10900 Euclid Ave., Cleveland, OH 44106-1712; (216) 368-4236

26-29
European Gallium Arsenide Conference
St. Helier (Jersey), United Kingdom
Meeting Officer, Institute of Physics, 47 Belgrave Square, London SW1X 8ZX, United Kingdom

26-30
1988 Congress on Materials Processing in Space
Chicago, IL
V. Laxmanan, NASA Lewis Research Center, M.S. 105-1, Cleveland, OH 44135; (216) 433-3268

26-30
Fourth International Colloquium on Welding and Melting by Electron and Laser Beams
Cannes, France
Commissariat a l'Energie Atomique, DTECHSTA, 91191 Gif-sur-Yvette Cedex, France; 33-1-6908-5825

26-30
20th Europhysics Conference on Macromolecular Physics and 3rd Lausanne Polymer Meeting: Physical Mechanisms in Polymer Failure
Lausanne, Switzerland
K.H. Kausch, Lab. de Polymeres, 32 Chemin de Bellerive, CH-1007 Lausanne, Switzerland; 41-021-47-2847

27
Annual Meeting of the Titanium Development Association
Chicago, IL
F.W. Rickenbach, 11 W. Monument Ave., Dayton, OH 45401; (513) 223-8008

27-29
20th International Technical Conference - Materials and Processes: The Interceptor Point
Minneapolis, MN
M. Smith, SAMPE, 843 West Glentana, P.O. Box 2459, Covina, CA 91722; (818) 331-0616

OCTOBER 1988

2-7
35th National Vacuum Symposium
Atlanta, GA
N. Hammond, American Vacuum Society, 335 E. 45th St., New York, NY 10017

9-12
17th Annual Conference of the North American Thermal Analysis Society
Lake Buena Vista, FL
M.M. Steiner, Lockheed R&D Division, 0/93-50, B/204, 3251 Hanover St., Palo Alto, CA 94304; (415) 424-2581

9-14
Electrochemical Society Fall Meeting
Chicago, IL
Electrochemical Society, 10 S. Main St., Pennington, NJ 08534-2896

10-13
MRS Scientific Basis for Nuclear Waste Management XII
Berlin, West Germany
M. Fuchs, Hahn-Meitner Institut, Berlin GmbH, Glienicke Strasse 100, D-1000 Berlin 39, W. Germany; (30) 8009-2291

16-18
Superconductors in Magnetics Commercialization Workshop
San Francisco, CA
Advantage Quest, 1110 Sunnyvale-Saratoga Rd., Suite C2, Sunnyvale, CA 94087-2515; (408) 733-0818