

Upcoming: May 15-16, MRS-Korea Spring Meeting; June 1-2, 11th Annual Symposium on Electronic Materials, Processing, and Characterization; June 2-5, E-MRS Spring Meeting/Intl. Conf. on Electronic Materials; June 23-26, Intl. Workshop on Superconductivity

To list an event in the Calendar, contact J. Dininny, Materials Research Society, 9800 McKnight Road, Pittsburgh, PA 15237; (412) 367-3036; fax (412) 367-4373.

MRS, AMSC, C-MRS, E-MRS, MRS-I, MRS-J, MRS-Korea, MRS-T, Mexican MRS, or IUMRS at the end of an entry indicates sponsorship or co-sponsorship of an event by the International Union of Materials Research Societies or one of its adhering bodies (see p. 2). "Endorsed" identifies events endorsed by MRS.

▼ identifies a new or revised entry this month.

See the March 1992 MRS BULLETIN for Calendar entries from May 1-31, 1992.

JUNE 1992

1-2 ▼
11th Annual Symposium on Electronic Materials, Processing, and Characterization
Richardson, TX
F. Celii, 11th Annual Symposium, P.O. Box 830914, Richardson, TX 75083; (214) 995-7764. **MRS.**

1-5
1st Intl. Conf. on Fracture Mechanics of Concrete Structures
Breckenridge, CO
M. Moser, Center for Advanced Cement-Based Materials, Dept. of Civil Engineering, Northwestern Univ., Evanston, IL 60208-3111; fax (708) 467-1078.

2-5
E-MRS Spring Meeting/Intl. Conf. on Electronic Materials
Strasbourg, France
P. Siffert, B.P. 20, F-67037 Strasbourg Cedex, France; 33-88-28-65-43; fax 33-88-28-09-90. **E-MRS.**

3-5 ▼
Atomic Layer Epitaxy
Raleigh, NC
S.M. Bedair, North Carolina State Univ., Dept. of Electrical and Computer Engineering, Raleigh, NC 27695-7911; (919) 737-2336; fax (919) 737-3027.

3-5 ▼
Fractals in Engineering
Montreal, Quebec, Canada
C. Tricot, Fractals in Engineering Colloquium, Applied Mathematics Dept., Ecole Polytechnique, P.O. Box 6079, Station A, Montreal (Que), Canada, H3C 3A7; (514) 340-5968; fax (514) 340-4463.

3-5
2nd Intl. Symposium on Atomic Layer Epitaxy
Raleigh, NC
S.M. Bedair, North Carolina State Univ., Dept. of Electrical and Computer Engineering, Raleigh, NC 27695; (919) 515-5204; fax (919) 515-3027.

4-6
IMAT '92, Fair of Innovative Materials
Faenza, Italy
Conf. Secretariat IMAT '92, Techna, P.O. Box 174, 48018 Faenza, Italy; 39-546-22461; fax 39-546-664138.

7-12
2nd Intl. Conf. on Laser Advanced Materials Processing
Nagaoka City, Niigata, Japan
SPIE, P.O. Box 10, Bellingham, WA 98227-0010; (206) 676-3290; fax (206) 647-1445.

8-12
7th Trieste Semiconductor Symposium: Wide-Band-Gap Semiconductors
Trieste, Italy
C.G. Van de Walle, Xerox PARC, 3333 Coyote Hill Rd., Palo Alto, CA 94304; (415) 812-4163; fax (415) 812-4105.

8-12
International Cryogenic Engineering Conference and International Cryogenic Materials Conference Joint Meeting (ICEC/ICMC-92)
Kiev, Ukraine
E.W. Collings, Battelle, 505 King Ave., Columbus, OH 43201; (614) 424-4355; fax (614) 424-5263; or V. Lokteva, E.O. Paton Electric Welding Institute, 11 Bozhenko St., Kiev 252650, Ukraine, 7-44-269-09-60; fax 7-44-296-09-60.

8-13 ▼
Continuum Models for the Microstructure of Crystals
Edinburgh, United Kingdom
N. Firoozye, Dept. of Mathematics, Heriot-Watt Univ., Riccarton, Edinburgh, EH14 4AS, United Kingdom; 44-31-451-3253; fax 44-31-451-3249.

9-12
From Galileo's "Occhialino" to Optoelectronics: Frontiers of Optical Systems and Materials
Padova, Italy
OPTICS 1992 Secretariat, Dipart. di Fisica "Galileo Galilei," Via Marzolo 8, I-35131 Padova, Italy.

10-12
3rd Intl. Conf. on Advances in Fusion and Processing of Glass
New Orleans, LA
M.B. Adams, IUCGR, NYS College of Ceramics at Alfred University, Alfred, NY 14802; (607) 871-2495; fax (607) 871-2392.

10-12
14th Symposium on Applied Surface Analysis
Ann Arbor, MI
S. Gaarenstroom, General Motors Research Laboratories, 30500 Mound Road, Box 9055, Warren, MI 48090-9055; (313) 986-0835; fax (313) 986-0136.

10-12
Intl. Symposium on Optical Fabrication, Testing, and Surface Evaluation
Tokyo, Japan
SPIE, P.O. Box 10, Bellingham, WA 98227; (206) 676-3290; fax (206) 647-1445.

11-12 ▼
Colloque National Materiaux: Science et Industrie
Paris, France
R. Mevrel, MRT, 33-1-46-34-32-71; or J. Castaing, MRT, 33-1-46-34-38-86.

13-18
National Solar Energy Conf.
Cocoa Beach, FL
L. Sherwood, American Solar Energy Soc., 2400 Central Ave., Suite G-1, Boulder, CO 80301; (303) 443-3130; fax (303) 443-3212.

14-17
Surface Chemistry of Electronic Materials Processing
Morgantown, WV
C.O. Stinespring, Dept. of Chemical Engineering, West Virginia Univ., Box 6101, Morgantown, WV; (304) 293-2111 ext. 425; fax (304) 293-5024.

21-26
Powder Metallurgy World Congress
San Francisco, CA
P. Johnson, Metal Powder Industries Federation, 105 College Road East, Princeton, NJ 08540-6692; (609) 452-7700; fax (609) 987-8523. **Endorsed.** (See related article in February 1992)

22-24
50th Annual Device Research Conf.
Boston, MA
J. Campbell, Microelectronics Research Center, ENS 439, Univ. of Texas, Austin, TX 78712; (512) 471-9669; fax (512) 471-8575.

22-26
6th International Conference on Intergranular and Interphase Boundaries in Materials
Thessaloniki, Greece
E.K. Polychroniadis, Solid State Section, Dept. of Physics 313-1, Aristotle Univ. of Thessaloniki, 54006 Thessaloniki, Greece; fax 30-31-206138.

23-26
Adriatico Research Conf. on Clusters and Fullerenes
Trieste, Italy
Adriatico Research Conf., Intl. Centre for Theoretical Physics, P.O. Box 586, I-34100 Trieste, Italy; 39-40-224-0343/0289; fax 39-40-224-163/559.

23-26
Intl. Workshop on Superconductivity
Honolulu, HI
T. Kobayashi, ISTE, Eishin Kaihatsu Bldg., 6F, 34-3 Shimabashi 5-chome, Minato-Ku, Tokyo 105, Japan; 81-3-3431-4002; fax 81-3-3431-4044. **MRS, ISTE.**

23-27
1st Pacific Rim International Conference on Advanced Materials and Processing
Hangzhou, China
PRICM-1 Secretariat, Chinese Society of Metals, 46 Dongxi Dajie, Beijing 100711, China; 86-1-5133322, ext. 1390; fax 86-1-5124122.

24-26 ▼
Optical Amplifiers and Their Applications
Santa Fe, NM
Optical Society of America, 2010 Massachusetts Ave. NW, Washington, DC 20036; (202) 223-8130.

24-26
TMS Electronic Materials Conf.
Cambridge, MA
TMS Meetings Services Dept., 420 Commonwealth Dr., Warrendale, PA 15086; (412) 776-9000; fax (412) 776-3770.

28-1
Intl. Conf. on Microphenomena in Advanced Composites
Herzlia, Israel
S. Cahana; Ministry of Science and Technology; P.O. Box 18195, 91181 Jerusalem, Israel; 972-2-825221; fax 972-2-820591.

28-2
7th World Conference on Titanium
San Diego, CA
TMS, 420 Commonwealth Dr., Warrendale, PA 15086; (412) 776-9050; fax (412) 776-3770.

28-10
NATO Advanced Study Institute: Mechanical Properties and Deformation Behavior of Materials Having Ultrafine Microstructures
Torres Vedras, Portugal
C.J. McHargue, Dept. of Materials Science and Engineering, 434 Dougherty Engineering Bldg., Univ. of Tennessee, Knoxville, TN 37996-2200; (615) 974-8013; fax (615) 974-2669.

29-3
Gordon Research Conf. on Optical Phenomena in Glass
Tilton, NH
M.J. Weber, Chair, GRC on Glass, Lawrence Livermore National Laboratory, P.O. Box 808, L-326, Livermore, CA 94550; (510) 423-1036; fax (510) 422-3360.

29-3
6th Intl. Conf. on Solid Films and Surfaces
Paris, France
J. LeCante, LJRE-Bat 209 D, Université Paris-Sud, 91405 Orsay Cedex; 33-1-64-46-80-03; fax 33-1-64-46-41-02.

JULY 1992

1-3 ▼
Verbundwerk '92 (Industry Fair and Conf. on Reinforced Materials and Composite Technologies)
Wiesbaden, Germany
D. Schnabel, DEMAT Exposition Managing, Postbox 110 611, D-6000 Frankfurt 11, Germany; 49-69-23-43-31; fax 49-69-25-30-71.

1-3
2nd Intl. Conf. on Computer Aided Assessment and Control of Localized Damage
Southampton, United Kingdom
S. Owen, Conference Secretariat, Wessex Inst. of Technology, Ashurst, Southampton, SO4 2AA, U.K.; 44-703-293223; fax 44-703-292853.

9-10
MRS-J Summer Meeting
Kawasaki, Japan
c/o KSP, W-304, 100-1 Sakato, Takatsu-ku, Kawasaki 213, Japan; 81-44-819-2001; fax 81-44-819-2009. **MRS-J.**

12-19 ▼
Effects of Surface Heterogeneity in Adsorption and Catalysis on Solids
Kazimierz, Poland
B.W. Wojciechowski, Queen's Univ., Dept. of Chemical Engineering, Kingston, Ontario, Canada K7L 3N6; (613) 545-2788.

15-17 ▼
Solid State Chemistry and Superconductivity
Aberdeen, United Kingdom
J.T.S. Irvine, Chemistry Dept., Meston Bldg., Univ. of Aberdeen, Meston Walk, Aberdeen AB9 2UE, United Kingdom; 44-224-272894; fax 44-224-272921.

19-24 ▼

19th Annual Review of Progress in Quantitative Nondestructive Evaluation
La Jolla, CA
D.O. Thompson, Iowa State Univ., Center for NDE, Applied Sciences Center II, 1915 Scholl Rd., Ames, IA 50011; (515) 294-8152; (515) 294-7771.

19-24
37th Intl. Symposium on Optical and Optoelectronic Applied Science and Engineering
San Diego, CA
SPIE, P.O. Box 10, Bellingham, WA 98227-0010; (206) 676-3290; fax (206) 647-1445.

20-24
Intl. Conf. on Martensitic Transformations
Monterey, CA
J. Perkins, ICOMAT-92 Secretariat, Naval Postgraduate School, Code ME/PS, Monterey, CA 93943; (408) 646-2216; fax (408) 646-2761. **Endorsed.** (See related article in November 1990.)

26-31
New Approaches to Undergraduate Engineering Education IV
Santa Barbara, CA
C.V. Freiman, Engineering Foundation, 345 E. 47th St., New York, NY 10017; (212) 705-7835; fax (212) 705-7441.

27-29
Holographics Intl. '92
London, United Kingdom
SPIE, P.O. Box 10, Bellingham, WA 98227; (206) 676-3290; fax (206) 647-1445.

27-31 ▼
Gordon Conf. on Order/Disorder in Solids
New London, NH
Gordon Research Conf., Gordon Research Center, Univ. of Rhode Island, Kingston, RI 02881; (401) 783-4011; fax (401) 783-7644.

30-1
2nd European Conference on Powder Diffraction (EPDIC-2)
Enschede, Netherlands
T.W. Ryan, Philips Analytical, Lelyweg 1, 7602EA Almelo, Netherlands; 31-5490-39443; fax 31-5490-39598.

AUGUST 1992

3-7
19th Annual NAOSSM Conf. and Trade Show
Valley Forge, PA
B. Neff, 92 Host, St. Josephs Univ., Chemistry Dept., Philadelphia, PA 19131; (215) 660-1790.

9-20 ▼
NATO Advanced Study Institute: New Superconducting Electronics
Waterville Valley, NH
H. Weinstock, AFOSR/NE, Washington, DC 20332-6448; (202) 767-4933; fax (202) 767-4986.

10-14 ▼
Kinetics of Phase Transitions
Edinburgh, United Kingdom
ICMS, Heriot-Watt Univ., Riccarton, Edinburgh, EH14 4AS, United Kingdom; 44-31-451-3250; fax 44-31-451-3249.

10-14
39th International Field Emission Symposium
Halifax, Nova Scotia, Canada
H.J. Kreuzer, Chairman, 39th IFES, Department of Physics, Dalhousie University, Halifax, Nova Scotia B3H 3J5, Canada; (902) 494-2337; fax (902) 494-5191.

10-14
21st International Conference on the Physics of Semiconductors
Beijing, China
L.L. Chang, IBM T.J. Watson Research Center, Yorktown Heights, NY 10598; (914) 945-2254; fax (914) 945-2141; or X. Xide, Fudan University, Shanghai, China; 86-21-5483331; fax 86-21-3269848 or 5488839.

16-4
Quantitative Microbeam Analysis
Dundee, Scotland
A.G. Fitzgerald, QMA '92, 40th Scottish Univ. Summer School in Physics, Carnegie Lab. of Physics, Univ. of Dundee, Dundee DD1 4HN, Scotland, U.K.; 44-382-23181, ext. 4553; fax 44-382-202830.

16-21 ▼
Atomic and Nanoscale Modification of Materials: Fundamentals and Applications
Ventura, CA
Engineering Foundation, 345 E. 47th St., New York, NY 10017; (212) 705-7835; fax (212) 705-7441.

16-21
50th Annual Meeting of the Electron Microscopy Society of America (Joint with the Microbeam Analysis Society and the Microscopical Society of Canada)
Boston, MA
M. Maser, EMSA Business Office, Box EMSA, Woods Hole, MA 02543; (508) 540-7639; fax (508) 540-5594.

16-22
10th Intl. Conf. on Crystal Growth
San Diego, CA
J.C. Jacco, Philips Components, 5083 Kings Highway, Saugerties, NY 12477; (914) 246-2811; fax (914) 256-0486.

18-20
Intl. Conf. on Solid State Science and Technology
Penang, Malaysia
K. Ibrahim, Conf. Secretary, School of Physics, University Science Malaysia, 11800 USM, Penang, Malaysia; 60-4-877888, ext. 3663; fax 60-4-875113.

23-28
204th ACS National Meeting
Washington, DC
American Chemical Society, Meetings Dept., 1155 16th St. NW, Washington, DC 20036; (202) 872-4396.

23-28
Applied Superconductivity Conference
Chicago, IL
K.E. Gray, Argonne National Laboratory, Materials Science Division, 9700 South Cass Ave., Argonne, IL 60439; (708) 972-5525; fax (708) 972-3308.

24-28
7th Intl. Conf. on Molecular Beam Epitaxy
Schwäbisch Gmünd, Germany
K. Ploog, MBE-VII Chairman, Max-Planck-Institut für Festkörperforschung, P.O. Box 80 06 65, D-7000 Stuttgart 80, Germany; 49-711-68-60-1; fax 49-711-68-74-371.

31-2
IEEE Intl. Symposium on the Application of Ferroelectrics
Greenville, SC
G. Haertling, 206 Olin Hall, Clemson University, Clemson, SC 29634; (803) 656-0180; fax (803) 656-1095.

31-4
3rd Intl. Conf. on New Diamond Science and Technology
Heidelberg, Germany
Conf. Organizers in Medicine, Science, and Technology, Av. de la Gare 52, P.O. Box 415, 1001 Lausanne 1, Switzerland; 41-21-23-48-86; fax 41-21-234-972.

31-4
8th International Conference on Liquid and Amorphous Metals
Vienna, Austria
G. Kahl, Institut für Theoretische Physik, Technische Universität Wien, Wiedner Hauptstrasse 8/10, A-1040 Vienna, Austria.

SEPTEMBER 1992

7-10 ▼
Symposium on Magnetic Ultrathin Films, Multilayers, and Surfaces
Lyon, France
D. Givord, CNRS, Laboratoire de Magnétisme Louis Neel, BP166, 38042 Grenoble 9, France.

7-11
1st NACE Asian Conference
Singapore, Malaysia
National Assoc. of Corrosion Engineers (NACE) Customer Service Dept., P.O. Box 218340, Houston, TX 77218; (713) 492-0535, ext. 81; fax (713) 492-8254.

7-11
16th Intl. Conf. on Electrical Contacts
Loughborough, United Kingdom
ICEC '92, Dept. of Electronic and Electrical Engineering, Loughborough Univ. of Technology, Loughborough, Leicestershire LE11 3TU, U.K.

7-11
10th European Congress on Electron Microscopy
Granada, Spain
A.L. Galindo, Dpto. Mineralogía y Petrología, I.A.G.M. Facultad de Ciencias, 18002 Granada, Spain; 34-58-243342; fax 34-58-243078.

7-11
8th International Conference on Ion Beam Modification of Materials (IBMM 92)
Heidelberg, Germany
S. Kalbitzer, MPI Kernphysik, Postfach 103980, W-6900 Heidelberg 1, Germany; 49-6221-516-203; fax 49-6221-516-540.

8-11
OE/FIBERS '92
Boston, MA
SPIE, P.O. Box 10, Bellingham, WA 98227; (206) 676-3290; fax (206) 647-1445.

8-11
7th Intl. Conf. on Quantitative Surface Analysis
Guildford, United Kingdom
C.P. Hunt, Div. of Materials Metrology, Bldg. 15, Natl. Physical Lab., Teddington, Middlesex TW11 0LW, U.K.; 44-81-977-3222.

14-18
Intl. Symposium on Optical Systems Design
Berlin, Germany
SPIE, P.O. Box 10, Bellingham, WA 98227; (206) 676-3290; fax (206) 647-1445.

14-18
3rd Intl. World Congress on Superconductivity
Munich, Germany
C. Burnham, WCS President, P.O. Box 27805, Houston, TX 77227-7805; (713) 895-2500; fax (713) 623-3103.

14-20
Physics and Applications of Solid State Lasers
Settlement Dagomys, Russia
SPIE, P.O. Box 10, Bellingham, WA 98227; (206) 676-3290; fax (206) 647-1445.

15-17
6th Annual Conf. on Superconductivity and Applications
Buffalo, NY
R.S. Hamilton, Conf. Chair, NYSIS, 330 Bonner, SUNY, Buffalo, NY 14260; (716) 636-3463; fax (716) 636-3349.

16-18
Plastics in Telecommunications VI, and Electrical, Optical, and Acoustic Properties of Polymers III
London, United Kingdom
Conf. Secretariat, PITT V/EOA III, Plastics and Rubber Inst., 11 Hobart Place, London SW1W 0HL, U.K.; 44-71-245-9555; fax 44-071-823-1379.

16-22
6th Intl. Symposium on Small Particles and Inorganic Clusters
Chicago, IL
R.S. Berry, ISSPIC 6, Dept. of Chemistry, Univ. of Chicago, 5735 S. Ellis Ave., Chicago, IL 60637; (312) 702-3177; fax (312) 702-0805.

17-19
1st Intl. Symposium on Ultraclean Processing of Silicon Surfaces
Leuven, Belgium
Timsel Conference Service, J.B. Van Monststraat 4, B-3000 Leuven, Belgium; 32-16-29-00-10; fax 32-16-29-05-10.

20-3
NATO Advanced Study Institute: High Pressure Chemistry, Biochemistry, and Materials Science
Acquafredda di Maratea, Italy
J. Jonas, Univ. of Illinois, School of Chemical Sciences, 505 S. Mathews Ave., Urbana, IL 61801; (217) 333-0710; fax (217) 244-8068.

20-25
19th Annual Meeting of the Federation of Analytical Chemistry and Spectroscopy Societies
Philadelphia, PA
N.J. Miller-Ihli, USDA, NCL, Bldg. 161 BARC-East, Beltsville, MD 20705; (301) 504-8252.

20-25
OSA Annual Meeting
Albuquerque, NM
Optical Society of America, 2010
Massachusetts Ave. NW,
Washington, DC 20036; (202)
223-8130.

21-23
Intl. Conf. and Exhibition
on Microelectronics
Warsaw, Poland
SPIE, P.O. Box 10, Bellingham,
WA 98227; (206) 676-3290;
fax (206) 647-1445.

21-24
9th Intl. Conf. on Ion Implantation
Technology
Gainesville, FL
S. Clark, Univ. of Florida, Dept. of
Materials Science and Engineer-
ing, Gainesville, FL 32611-2066;
(904) 392-1462; fax (904) 392-
6359.

21-25
Microelectronics Processing '92
San Jose, CA
SPIE, P.O. Box 10, Bellingham,
WA 98227; (206) 676-3290;
fax (206) 647-1445.

21-25
1st Intl. Conf. on Nanostructured
Material
Cancun, Mexico
V. Castano, Instituto de Fisica,
UNAM, Apartado postal 20-364,
C.P. 01000 Mexico, D.F., Mexico;
(525) 548-58-78; fax (525) 548-
31-11.

21-25
20th Intl. Congress on High-
Speed Photography and
Photonics
Victoria, British Columbia, Canada
SPIE, P.O. Box 10, Bellingham,
WA 98227-0010; (206) 676-3290;
fax (206) 647-1445.

21-25
9th Intl. Symposium on Gas Flow
and Chemical Lasers
Heraklion, Greece
C. Fotakis, 9th GCL Symposium
Chair, FORTH-IESL, P.O. Box
1527, 71110 Heraklion, Greece;
30-81-210035; fax 30-81-238824.

21-2
NATO Advanced Study Institute:
Multicomponent and Multilayered
Thin Films for Advanced
Microtechnologies
Bad Windsheim, Germany
O. Auciello, MCNC, 3021
Cornwallis Rd., Research Triangle
Park, NC 27709-2889; (919) 248-
1872; fax (919) 248-1455.

22-25
2nd Intl. Conf. and Exhibition on
Computer Applications to
Materials and Molecular Science
and Engineering
Pacifico Yokohama, Japan
M. Doyama, CAMSE '92, c/o
Nikkan Kogyo Shimbun Business
Bureau, 8-10 Kudan Kita, 1-
chome, Chiyoda-ku, Tokyo 102,
Japan; 81-3-3222-7162; fax 81-3-
3221-7137.

23-25
12th Annual BACUS Symposium
on Photomask Technology
Sunnyvale, CA
SPIE, P.O. Box 10, Bellingham,
WA 98227; (206) 676-3290;
fax (206) 647-1445.

23-25
Symposium on Microelectronic
Processing Integration
San Jose, CA
SPIE, P.O. Box 10, Bellingham,
WA 98227-0010; (206) 676-3290;
fax (206) 647-1445.

26-29
Intl. Conf. on Optoelectronic
Science and Engineering
Beijing, China
SPIE, P.O. Box 10, Bellingham,
WA 98227; (206) 676-3290; fax
(206) 647-1445.

OCTOBER 1992

1-2 ▼
Joint French-U.S. Conf. on
Modern Aspects of
Superconductivity
Houston, TX
Dr. Niku-Lari, IIT-Intl., 40
Promenade Marx-Dormoy, 93460
Gourmay-sur-Marne, France; fax
33-1-45-92-92. (See October 21-
22 entry.)

4-9
International Congress on Glass
Madrid, Spain
Secretaría del XVI Congreso
Internacional del Vidrio, Sociedad
Espanola de Cerámica y Vidrio,
Ferraz, 11, E-28008 Madrid,
Spain; 34-1-542-1770;
fax 34-1-599-0575.

5-7 ▼
Eurosensors VI
San Sebastian, Spain
Conference Secretariat, LANKOR,
Calle Hernani 31, 1º Dcha.,
20004 San Sebastian, Spain; 34-
43-43.08.35; fax 34-43-29.04.32.

5-10
12th International Symposium on
the Reactivity of Solids
Madrid, Spain
12th ISRS Secretariat, Facultad de
Quimicas, Universidad Complu-
tense, 28040 Madrid, Spain; 34-1-
549-18-50; fax 34-1-243-33-62 or
34-1-543-33-62.

6-8
24th Annual Intl. Society for
the Advancement of Material
and Process Engineering
Technical Conf.
Toronto, Ontario, Canada
N. Hawley, SAMPE, 1055 W. San
Bernardino Rd., Covina, CA
91722.

12-15
4th European Conf. on Laser
Treatment of Materials
Gottingen, Germany
Conf. Secretariat, Deutsche
Gesellschaft für Materialkunde
e.V., Adenauerallee 21, D-6370
Oberursel, Germany; 49-61-71-
4081; fax 49-61-71-52554.

12-16
2nd Intl. Congress on Energy,
Environment, and Technological
Innovation
Rome, Italy
Segreteria ENERG2, Via Eudosi-
siana 18, 00184 Rome, Italy; 39-
6-44585-260; fax 39-6-4817-254.

12-16
12th International Vacuum
Congress and 8th International
Conference on Solid Surfaces
(IVC-12/ICSS-8)
The Hague, Netherlands
Van Namen & Westerlaken
Congress Organization Services,
P.O. Box 1558, 6501 BN Nijme-
gen, The Netherlands; 31-80-
234471; fax 31-80-601159.

18-23
13th World Conf. on Nondestructive
Testing
Sao Paulo, Brazil
Alcantara Machado Feiras e
Promocoes Ltda., R. Hamam
Eventos Especiais S/C Ltda., Rua
Dr. Gabriel dos Santos, 88, 01231,
Sao Paulo-SP, Brazil; 55-11-826-
9111; fax 55-11-67-3626.

18-23
Applications and Fabrication
of Nanostructures
Kona, HI
C.V. Freiman, Engineering
Foundation, 345 E. 47th St., New
York, NY 10017; (212) 705-7835;
fax (212) 705-7441.

18-24 ▼
**3rd Intl. Conf. on Solid State and
Integrated Circuit Technology of
Materials**
Beijing, China
C.C. Tsai, Co-chair, ICSICT '92,
Xerox PARC, 3333 Coyote Hill
Rd., Palo Alto, CA 94304; (415)
812-4515; fax (415) 493-6349.
Endorsed.

19-21
ISHM 25th Anniversary
Symposium
San Francisco, CA
Intl. Society for Hybrid Microelec-
tronics, P.O. Box 2698, Reston,
VA 22090-2698; (800) 535-4746
or (703) 471-0066; fax (703)
471-1937.

20-22 ▼
Advanced Metalization for ULSI
Applications
Phoenix, AZ
Continuing Education in Engineer-
ing, Univ. of California
Extension, 2223 Fulton St.,
Berkeley, CA 94720; (510) 642-
4151; fax (510) 643-8683.

21-22 ▼
Joint French-U.S. Conf. on
Modern Aspects of
Superconductivity
Paris, France
Dr. Niku-Lari, IIT-Intl., 40
Promenade Marx-Dormoy, 93460
Gourmay-sur-Marne, France; 33-1-
45-92-92. (See October 1-2
entry.)

25-29
3rd Intl. Conf. on Plasma
Surface Engineering
Garmisch-Partenkirchen,
Germany
K.W. Kramer, DGO, Hirionplatz 6,
D-4000 Düsseldorf, Germany; 49-
211-13-23-81; fax 49-211-32-7199.

28-30
Microcontamination Conf. and
Cleanroom Technology Forum
Santa Clara, CA
D. O'Connor, Microcontamination
'92, 3340 Ocean Park Blvd., Suite
1000, Santa Monica, CA 90405;
(213) 392-5509; fax (213) 392-
4920.

NOVEMBER 1992

1-5 ▼
6th Intl. Conf. on Surface
Modification Technologies
Chicago, IL
T.S. Sudarshan, Materials
Modifications, Inc., P.O. Box
4817, Falls Church, VA 22044;
(703) 534-0401; fax (703) 534-
2844.

1-5
TMS Fall Meeting
Chicago, IL
TMS, 420 Commonwealth Dr.,
Warrendale, PA 15086; (412) 776-
9050; fax (412) 776-3770.

2-5
12th Intl. Conf. on the Application
of Accelerators in Research and
Industry
Denton, TX
J.L. Duggan, Univ. of North
Texas, Dept. of Physics, P.O. Box
5368, Denton, TX 76203; (817)
565-3252; fax (817) 565-2227.

3-6
**E-MRS Fall Meeting/3rd
European East-West Conference
on Materials and Processes**
Strasbourg, France
P. Siffert, B.P. 20, F-67037
Strasbourg Cedex, France; 33-88-
28-65-43; fax 33-88-28-09-90.
E-MRS.

9-11
4th Intl. Seminar on Battery
Waste Management
Deerfield Beach, FL
S.P. Wolsky, Ansum Enterprises,
Inc., 1900 Cocanut Rd., Boca
Raton, FL 33432; (407) 391-
3544; fax (407) 750-1367.

9-12
17th Space Simulation Conf:
Terrestrial Test for Space Success
Baltimore, MD
Institute of Environmental
Sciences, 940 E. Northwest Hwy.,
Mount Prospect, IL 60056; (708)
255-1561; fax (708) 255-1699.

10-12
8th Intl. Symposium on Ceramics
Rimini, Italy
Organizing Secretariat, Italian
Ceramic Center, Via Martelli 26,
40138 Bologna, Italy; 39-51-534-
015; fax 39-51-530-085.

15-18 ▼
STEDCON '92, Conf. on Science
and Technology of Electron
Devices
Kruger Natl. Park, South Africa
P. Jensen, Mikortek, CSIR, P.O.
Box 395, Pretoria 0001, South
Africa; 27-12-8413930; fax 27-12-
8414720.

15-18
Intl. Tungsten Symposium
Washington, DC
Metal Powder Industries Federa-
tion, 105 College Road East,
Princeton, NJ 08540-6692; (609)
452-7700; fax (609) 987-8523.

15-20
7th Latin American Symposium
on Surface Physics and 1st Ibero-
American Congress on Surface
Science and Applications
Bariloche, Argentina
F.A. Ponce, Xerox PARC, 3333
Coyote Hill Rd., Palo Alto, CA
94304; (415) 494-4199; fax (415)
494-4105.

24-26
14th National Days on
Heat Treatment
Vysoké Tatry, Slovakia
T. Cikorová, Conf. Secretary, Dom
Techniky ZSVTS, Skultétyho Ul. 1,
832 27 Bratislava, CSFR; 42-7/
213 300; fax 42-7/214 491.

30-4
MRS Fall Meeting
Boston, MA
M. Geil, Materials Research
Society, 9800 McKnight Rd.,
Pittsburgh, PA 15237; (412) 367-
3003; fax (412) 367-4373. **MRS.**

DECEMBER 1992

7-9
Magneto-Optical Recording Intl. Symposium
 Tuscon, AZ
 T. Suzuki, IBM Almaden Research Center, 650 Harry Rd., Dept. K67/802, San Jose, CA 95120; (408) 927-2099; fax (408) 927-3025.
Endorsed.

9
 ASTM Symposium on Wear Test Selection for Design and Application
 Miami, FL
 A.W. Ruff, Symposium Chair, NIST, A215, Bldg. 220, Gaithersburg, MD 20899; (301) 975-6010.

10-11
MRS-J Annual Meeting
 Kawasaki, Japan
 c/o KSP, W-304, 100-1 Sakato, Takatsu-ku, Kawasaki 213, Japan; 81-44-819-2001; fax 81-44-819-2009. **MRS-J.**

29-31
 5th Annual Intl. Superconductor Applications Convention
 San Diego, CA
 T.J. Runner, Superconductor Applications Assn., 27692 Deputy Circle, Laguna Hills, CA 92653; (714) 362-9701; fax (714) 362-9803

FEBRUARY 1993

21-25
 Annual TMS Meeting
 Denver, CO
 TMS Meetings Services Dept., 420 Commonwealth Dr., Warrendale, PA 15086; (412) 776-9050; fax (412) 776-3770.

21-26
 Intl. Symposium on the Interphase
 Williamsburg, VA
 F.J. Boerio, Dept. of Materials Science and Engineering (ML 12), Univ. of Cincinnati, Cincinnati, OH 45221; (513) 556-3111; fax (513) 556-2569.

MARCH 1993

7-12
 Critical Issues in the Development of High Temperature Structural Materials
 Kona, HI
 C.V. Freiman, Engineering Foundation, 345 E. 47th St., New York, NY 10017; (212) 705-7835, fax (212) 705-7441.

9-11
 Intl. Conf. on Surface Engineering
 Bremen, Germany
 Conf. Sekretariat, Deutsche Gesellschaft für Materialkunde e.V., Adenauerallee 21, D-6370 Oberursel, Germany; 49-6171-4081; fax 49-6171-52554.

22-26
 APS March Meeting
 Seattle, WA
 American Physical Society, 335 E. 45 St., New York, NY 10017; (212) 682-7341.

28-2
 205th ACS National Meeting
 Denver, CO
 American Chemical Society, Meetings Dept., 1155 16th St., NW, Washington, DC 20036; (202) 872-4396.

APRIL 1993

12-16
MRS Spring Meeting
 San Francisco, CA
 M. Geil, Materials Research Society, 9800 McKnight Rd., Pittsburgh, PA 15237; (412) 367-3003; fax (412) 367-4373. **MRS.**

13-17 ▼
9th Intl. Conf. on Wear of Materials
 San Francisco, CA
 K. Ludema, Mechanical Engineering, G.G. Brown Building, Univ. of Michigan, Ann Arbor, MI 48109; (313) 764-3364; fax (313) 747-3170. **Endorsed.**

21-23
 Intl. Conf. on Hot Isostatic Pressing
 Antwerp, Belgium
 R. Peys, K VIV-HIP 93, Desguinlei 214, B-2018 Antwerpen, Belgium; 32-3-216-09-96; fax 32-3-216-06-89.

MAY 1993

31-4
 4th Intl. Conf. on Fundamentals of Fracture
 Fukushima, Japan
 R. Thomson, NIST, Gaithersburg, MD 20899; (301) 975-5665; fax (301) 926-8349.

JUNE 1993

13-18
 21st Biennial Conf. on Carbon
 Buffalo, NY
 D. Chung, Composite Materials Research Lab., Fumas Hall, SUNY, Buffalo, NY 14260; (716) 636-2520; fax (716) 636-3875.

JULY 1993

12-16
 9th Intl. Conf. on Composite Materials
 Madrid, Spain
 A. Miravete, Dept. of Mechanical Engineering, Univ. of Zaragoza, Maria de Luna, 3, 50015 Zaragoza, Spain; 34-76-516200; fax 34-76-512932; or G. Springer, U.S.A., (415) 723-4135; fax (415) 723-0062

AUGUST 1993

22-27
 206th ACS National Meeting
 Chicago, IL
 American Chemical Society, Meetings Dept., 1155 16th St. NW, Washington, DC 20036; (202) 872-4396.

30-2
 6th Intl. Congress on Tribology
 Budapest, Hungary
 EUROTRIB '93 Sekretariate, Hungarian Chemical Society, H-1027 Budapest, FO UTCA 68, Hungary; 36-1-201-8056; fax 36-1-156-1215.

31-4
3rd Intl. Conf. on Advanced Materials
 Tokyo, Japan
 ICAM-93, c/o Nikkan Kogyo Shimbun, Ltd. Business Bureau, 8-10, Kudan-Kita, 1-Chome, Chiyoda-ku, Tokyo 102, Japan; 81-3-3222-7162; fax 81-3-3221-7137. **MRS-J, IUMRS.**

SEPTEMBER 1993

13-15
 2nd Intl. Conf. on Spray Forming
 Swansea, Wales, United Kingdom
 J.A. Abrahams, "Beggars Roost," Channels End Road, Colmworth, Bedfordshire MK44 2NS, U.K.; 44-23-062-8862; fax 44-23-062-219.

NOVEMBER 1993

15-19
 40th Annual AVS Symposium
 Orlando, FL
 American Vacuum Society, 335 E. 45 St., New York, NY 10017-3483; (212) 661-9404.

29-3
MRS Fall Meeting
 Boston, MA
 M. Geil, Materials Research Society, 9800 McKnight Rd., Pittsburgh, PA 15237; (412) 367-3003; fax (412) 367-4373. **MRS.** □

Minerals & Reactions at the Atomic Scale-High-Resolution TEM

Mineralogical Society of America Short Course
 Hueston Woods Lodge, Ohio
 October 23-25, 1992
 (before GSA Meeting)

Organizer: Peter R. Buseck
 (Arizona State University)

The goals of the course are to (a) provide a background into the TEM as a mineralogical tool, (b) give an introduction to the principles underlying its operation, and (c) explore mineralogical applications and ways in which electron microscopy can augment our knowledge of mineral structures, chemistry, and origin. Special attention will be devoted to mineralogical applications. We expect to have a modern TEM for hands-on demonstration and exercises.

Topics and Speakers: general principles of transmission electron microscopy (*P. Buseck*); principles I: electron diffraction-SAED & CBED (*J. Steeds*); principles II: high-resolution image formation, simulation, and analysis (*P. Self*); inelastic interaction-EDS chemical analysis (*D. Peacor*); EELS & electron channeling (ALCHEMI) (*P. Buseck*); non-stoichiometry, polysomatism, and reactions in minerals (*D. Veblen*); polytypism & stacking disorder (*A. Baronnet*); phase definition by HRTEM (*F. Allen*); diagenetic reactions & processes: clays & shales (*D. Peacor*); carbonates (*R. Reeder*); analysis of deformation in geological materials (*D. Green*); imaging transformation-induced microstructures (*G. Nord*).

for registration form,
 write or call the MSA office
 1130 17th Street NW
 Suite 330
 Washington, DC 20036
 (202) 775-4344