

## UPCOMING: Industry-University Advanced Materials Conference, March 6-9

To list an event in the Calendar, contact J. Dinlany, Materials Research Society, 9800 McKnight Road, Suite 327, Pittsburgh, PA 15237; (412) 367-3036; fax (412) 367-4373.

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

See MRS BULLETIN Vol. XIV No. 1 for Calendar events from February 1 through February 28, 1989.

### MARCH 1989

6-8  
Fourth International Seminar on Lithium Battery Technology and Applications  
Deerfield Beach, FL  
S.P. Wolsky, Ansum Enterprises, 950 De Soto Rd., Suite 3B, Boca Raton, FL 33432; (407) 391-3544

6-9  
**[MRS]** Industry-University Advanced Materials Conference  
Denver, CO  
F. Smith, Advanced Materials Institute, Colorado School of Mines, Golden, CO 80401; (303) 491-8657  
(See related article in Vol. XIII No. 5.)

6-9  
Ninth General Conference, Condensed Matter Division, EPS Nice, France  
J.P. LaHeute, Lab. de la Metiere Condensee, Univ. of Nice, F-06034 Nice, Cedex, France

8-9  
Molecular Chemistry for Solid-State Electronics  
London, United Kingdom  
The Royal Society, 6 Carlton House Terrace, London SW1Y 5AG, United Kingdom

8-10  
Defect Engineering for Semiconductor Processing  
Raleigh, NC  
G. Rozgonyi, North Carolina State Univ., Raleigh, NC 27695-7916; (919) 737-2934; fax (919) 737-3419

12-25  
NATO Advanced Study Institute: Diffusion in Materials  
Aussais, France  
A.L. Laskar, Dept. of Physics and Astronomy, Clemson Univ., Clemson, SC 29631; (803) 656-5310; fax (803) 656-4040

20-21  
First International Conference on Indium Phosphide and Related Materials for Advanced Electronics and Optical Devices  
Norman, OK  
R. Singh, Univ. of Oklahoma, School of Electrical Engineering, Norman, OK 73019

20-22  
European Workshop on Refractory Metals and Silicides  
Houthalen, Belgium  
R. De Keersmaecker, IMBE, Kapeldreef 75, B-3030 Leuven, Belgium; (32) 16 281 211  
(See related article in Vol. XIII No. 7.)

20-22  
Fourth International Conference on Mechanical Properties of Materials at High Rates of Strain  
Oxford, United Kingdom  
J. Harding, Engineering Science Dept., Univ. of Oxford, Parks Rd., Oxford OX1 3PJ, United Kingdom

20-24  
American Physical Society Meeting  
St. Louis, MO  
W.W. Havens, American Physical Society, 335 E. 45th St., New York, NY 10017; (212) 682-7341

21-22  
The Worldwide Business Outlook for Surface Modification Techniques  
New York, NY  
T.J. Penrice, Strategic Analysis Inc., Box 3485, R.D. 3, Fairlane Rd., Reading, PA 19606; (215) 779-9080; fax (215) 779-1761

27-31  
1989 Technical Symposia on Aerospace Sensing including Symposium on Infrared Applied Science & Engineering and Symposium on Optics, Electro-Optics & Sensors  
Orlando, FL  
SPIE, P.O. Box 10, Bellingham, WA 98227-0010; (206) 676-3290; fax (206) 647-1445

29-31  
Neutron and X-Ray Scattering Complementary Techniques  
Canterbury, United Kingdom  
R.J. Newport, Physics Lab., University of Kent, Canterbury CT2 7NR, United Kingdom

30-31  
Colorado Microelectronics Conference  
Colorado Springs, CO  
CMC '89 Conference Secretary, Microelectronics Research Laboratories, Univ. of Colorado, Colorado Springs, CO 80933-7150; (719) 593-3488

30-10  
NATO Advanced Study Institute: International Advanced Course on Frontiers of Laser Spectroscopy of Gases  
Vimeiro, Portugal  
J.M. Hollas, Dept. of Chemistry, University of Reading, Reading RG6 2AD, United Kingdom

30-14  
Experimental Workshop on High Tc Superconductors  
Trieste, Italy  
International Centre for Theoretical Physics, HP.O. Box 586, I-34100 Trieste, Italy; (0-40) 224241; fax 22 4531

### APRIL 1989

1-6  
Second World Congress on Superconductivity  
Houston, TX  
C. Burnham, P.O. Box 27805, Houston, TX 77227-7805; (713) 895-2500; fax (713) 623-3103

3-6  
**[MRS]** Fifth Conference on Low Energy Ion Beams  
Guildford, United Kingdom  
Meetings Office, The Institute of Physics, 47 Belgrave Sq., London SW1X 8DX, United Kingdom; 01-235-6111

4-7  
Fifth National Space Symposium  
Colorado Springs, CO  
U.S. Space Foundation, P.O. Box 1838, Colorado Springs, CO 80901; (719) 550-1000

4-7  
British Crystallographic Association Spring Meeting  
Oxford, United Kingdom  
M. Glazer, Dept. of Physics, Clarendon Laboratory, Parks Road, Oxford, OX1 3PU, United Kingdom; 0865-272290

4-7  
Electrochemical Processing of Semiconductors  
Berlin, W. Germany  
W. Pieth, Free University of Berlin, Institute of Physical Chemistry, Takustrasse 3, D-1000 Berlin 33

5-7  
SCANNING 89/EM West  
Long Beach, CA  
D.G. Howitt, Dept. of Mechanical Engineering, Univ. of California, Davis, CA 95616; (916) 752-0580

6-7  
NATO Workshop on Modeling in Crystal Growth from the Melt  
Parma, Italy  
G. Müller, Institut für Werkstoffwissenschaften 6, Martensstrasse 7, D-8520 Erlangen, W. Germany  
(See related article in Vol. XIII No. 7.)

9-14  
American Chemical Society Meeting  
Dallas, TX  
American Chemical Society, 1155 16th St. NW, Washington, DC 20036; (202) 872-4600

10-13  
**[MRS]** Sixth Oxford Conference on Microscopy of Semiconducting Materials  
Oxford, United Kingdom  
A.G. Cullis, Royal Signals and Radar Estab., St. Andrews Rd., Malvern, Worcester WR 14 3PS, United Kingdom; 684-892733  
(See related article in Vol. XIII No. 9.)

17-21  
International Conference on Metallurgical Coatings  
San Diego, CA  
B.D. Sartwell, Naval Research Lab., Code 4675, Washington, DC 20375; (202) 767-4800; fax (202) 767-5301

21  
E-**[MRS]** Fourth BACG Photochemical Processing Workshop  
London, United Kingdom  
J. Haigh, British Telecom Research Labs, Martlesham Heath, Ipswich IP5 7RE, Suffolk, United Kingdom  
(See related article in this issue.)

23-27  
91st Annual Meeting and Expo of the American Ceramic Society  
Indianapolis, IN  
American Ceramic Society, 757 Brooksedge Plaza Dr., Westerville, OH 43081-6136; (614) 890-4700; fax (614) 899-6109

23-28  
12th World Conference on Nondestructive Testing  
Amsterdam, Netherlands  
12th WCNDT '89, B. de Jong, RAI Organisatie Bureau Amsterdam bv, Europaplein 12, 1078 GZ Amsterdam, Netherlands; (31) 20-549-12-12; fax (31) 20-46-44-69

24-28  
**[MRS]** Materials Research Society Spring Meeting  
Town and Country Hotel, San Diego, CA  
M. Geil, Materials Research Society, 9800 McKnight Rd., Suite 327, Pittsburgh, PA 15237; (412) 367-3003; fax (412) 367-4373

24-28  
Conference on Lasers and Electro-Optics (CLEO '89)  
Baltimore, MD  
Optical Society of America, 1816 Jefferson Pl. NW, Washington, DC 20036; (202) 223-0920

24-28  
Second International Congress on Optical Science and Engineering  
Paris, France  
SPIE, P.O. Box 10, Bellingham, WA; (206) 676-3290

24-28  
Fifth European Conference on Integrated Optics  
Paris, France  
D. Dowd, SPIE, P.O. Box 10, Bellingham, WA 98227-0010; (206) 676-3290

24-28  
Ninth European Symposium on Optoelectronics  
Paris, France  
D. Dowd, SPIE, P.O. Box 10, Bellingham, WA 98227-0010; (206) 676-3290

24-28  
X-Ray Instrumentation in Medicine, Biology, Plasma Physics, Astrophysics, and Synchrotron Radiation  
Paris, France  
D. Dowd, SPIE, P.O. Box 10, Bellingham, WA 98227-0010; (206) 676-3290

24-28  
Quantum Electronics and Laser Science Conference (QELS '89)  
Baltimore, MD  
Optical Society of America, 1816 Jefferson Pl. NW, Washington, DC 20036; (202) 223-0920

### MAY 1989

1-4  
American Physical Society Spring Meeting  
Baltimore, MD  
American Physical Society, 335 East 45th Street, New York, NY 10017; (212) 682-7341

1-5  
Florida Catalysis Conference  
Tarpon Springs, FL  
R.S. Drago, Dept. of Chemistry, Univ. of Florida, Gainesville, FL 32611

7-12  
Symposium on High T<sub>c</sub> Superconductor Technologies (HIT-ST2) at the 175th Meeting of The Electrochemical Society  
Los Angeles, CA  
S. Raider, IBM T.J. Watson Research Center, P.O. Box 218, Yorktown Heights, NY 10598; (914) 945-2203

7-12  
Third International Conference on Fundamentals of Adsorption  
Nurrigen, W. Germany  
DECHEMA, Abt. Tagungen, P.O. Box 970146, Theodor-Heuss-Allee 25, D-6000 Frankfurt am Main 97, W. Germany

- 8-11  
34th SAMPE International Symposium and Exhibition  
Reno, NV  
SAMPE, 843 West Glentana, P.O. Box 2459, Covina, CA 91722; (818) 331-0616
- 8-12  
11th Oak Ridge National Laboratory Symposium on Biotechnology for Fuels and Chemicals  
Colorado Springs, CO  
E. Greenbaum, Chemical Technology Div., Oak Ridge National Lab., 4500 N. MS 6194, P.O. Box 2008, Oak Ridge, TN 37831-6194; (615) 574-6835
- 9-11  
International Conference on Coatings and Sensors for Acoustic and Electromagnetic-Optical Applications  
University Park, PA  
V.K. Varadan, Pennsylvania State Univ., Dept. of Engineering Science and Mechanics, University Park, PA 16802; (814) 863-4210
- 15-16  
Scanning Tunneling Microscopy Spring Workshop  
Philadelphia, PA  
D.A. Bonnell, Univ. of Pennsylvania, Lab. for Research on the Structure of Matter, 3231 Walnut St., Philadelphia, PA 19104; (215) 898-6231
- 16-19  
Swift Heavy Ions in Matter  
Caen, France  
Symposium Secretary, SHIM 89/ CIRIL, BP 5133, 14040 Caen Cedex, France; 31 45 46 39; fax 31 45 46 65
- 22-25  
Fifth International Symposium on Graphite Intercalation Compounds  
Berlin, W. Germany  
F.W. Froben, Fachbereich, Physik, Freie Universität Berlin, Arnimalle 14, D-1000 Berlin 33, W. Germany; (030) 838 42 35/55 66
- 22-26  
Acoustical Society of America  
117th Meeting  
Syracuse, NY  
Acoustical Society of America, 335 East 45th St., New York, NY 10017; (212) 661-9404
- 30-2  
E-**[MIRIS]** 1989 European Materials Research Society Spring Meeting  
Strasbourg, France  
P. Siffert, Centre de Recherches Nucléaire, Laboratoire PHASE, F-67037, Strasbourg Cedex, France; 88 28 65 43
- 30-2  
E-**[MIRIS]** Course on High Tech Biomaterials  
Strasbourg, France  
D. Muster, L.E.E.D. Biomateriaux, CHRU-BP 426, F-67091 Strasbourg Cedex, France  
(See related article in Vol. XIII, No. 11.)
- 31-2  
11th Symposium on Applied Surface Analysis  
Cleveland, OH  
J. Grant, Research Institute, 300 College Park, Dayton, OH 45469-0001; (513) 255-5125 or G. Chottiner, Dept. of Physics, Case Western Reserve, Cleveland, OH 44106; (216) 368-4024
- 31-2  
Third International Conference on Systolic Arrays  
Kilamey, Ireland  
J.V. McCanny, Queen's Univ. of Belfast, Dept. of Electrical and Electronic Engineering, Ashby Building, Stranmillis Rd., Belfast BT9 5AH, United Kingdom; (0232) 661111; fax (0232) 247895
- JUNE 1989**
- 5-6  
Eighth Annual Symposium  
Electronic Materials, Processing, and Characterization  
Richardson, TX  
M. Bennett-Lilley, Eighth Annual Symposium, P.O. Box 830914, Richardson, TX 75083-0914; (214) 995-0821
- 12-15  
International Conference on Narrow Gap Semiconductors and Related Materials  
Gaithersburg, MD  
D.G. Seiler, Semiconductor Electronics Div., National Institute of Standards and Technology, Gaithersburg, MD 20899; (301) 975-2074
- 12-16  
Basic Course in SEM and X-Ray Microanalysis  
Bethlehem, PA  
J.I. Goldstein, Dept. of Materials Science and Engineering, Lehigh Univ., Bethlehem, PA 18015; (215) 758-5133
- 12-16  
Florida Advanced Materials Chemistry Conference  
St. Augustine, FL  
R.S. Drago, Dept. of Chemistry, Univ. of Florida, Gainesville, FL 32611
- 15-29  
Advances in Nonradiative Processes-NATO Advanced Study Institute  
Erice, Italy  
B. DiBartolo, Dept. of Physics, Boston College, Chestnut Hill, MA 02167; (617) 552-3575
- 18-23  
First European Ceramic Society Conference  
Maastricht, Netherlands  
L.M.J. Bos, P.O. Box 1630, 6201 BP Maastricht; (043) 83 83 83; fax (043) 83 83 00
- 19-21  
49th Annual Conference on Physical Electronics  
Seattle, WA  
Conference Management, Univ. of Washington Extension, GH-22, 5001 25th Ave. NE, Seattle, WA; (206) 543-2300  
(See related article in this issue.)
- 19-22  
Courses on: Semiconductor Device Characterization by SEM, Advanced Imaging Techniques in SEM, and X-Ray Microanalysis of Bulk, Particle, and Thin Film Specimens  
Bethlehem, PA  
J.I. Goldstein, Dept. of Materials Science and Engineering, Lehigh Univ., Bethlehem, PA 18015; (215) 758-5133
- 19-23  
Analytical Electron Microscopy  
Bethlehem, PA  
J.I. Goldstein, Dept. of Materials Science and Engineering, Lehigh Univ., Bethlehem, PA 18015; (215) 758-5133
- 20-22  
SAMPE-Third International Electronics Conference  
Los Angeles, CA  
M. Smith, Business Director, SAMPE, P.O. Box 2459, Covina, CA 91722; (818) 331-0616
- 21-23  
Electronic Materials Conference  
Cambridge, MA  
The Minerals, Metals & Materials Society, 420 Commonwealth Dr., Warrendale, PA 15086; (412) 776-9050
- 26-28  
Coherence and Quantum Optics Conference  
Rochester, NY  
L. Mandel, Univ. of Rochester, Dept. of Physics, Rochester, NY 14627; (716) 275-4361
- 26-30  
Ion Beam Analysis Conference  
Kingston, Ontario, Canada  
J.F. Ziegler, Box 66, Hanover St., Yorktown, NY 10598
- JULY 1989**
- 3-5  
MicroProcess '89  
Kobe, Japan  
S. Namba, Business Center for Academic Societies Japan, Conference Dept., 3-23-1 Hongo, Bunkyo-ku, Tokyo 113, Japan; 81-3-817-5831; fax 81-3-817-5836
- 3-7  
International Conference on Martensitic Transformations  
Sydney, Australia  
N. Kennon, Dept. of Metallurgy and Materials Engineering, Univ. of Wollongong, Wollongong NSW 2500 Australia; 61 42 270457; fax (042) 270477
- 10  
Bonding and Repair of Composite Materials  
Birmingham, United Kingdom  
J. Hernot, Composites, Butterworth Scientific Limited, P.O. Box 63, Westbury House, Bury St., Guildford GU2 5BH, United Kingdom; 0483 300966
- 10-14  
International Conference on Ion Sources  
Berkeley, CA  
W. O'Connor, Lawrence Berkeley Lab., 50B-2270, Berkeley, CA 94720; (415) 486-6386; fax (415) 486-7000
- 10-14  
Fourth International Conference on Electron Spectroscopy  
Honolulu, HI  
G.E. McGuire, Microelectronics Center of North Carolina, P.O. Box 12889, Research Triangle Park, NC 27709; (919) 248-1800; or C.R. Brundle, IBM Almaden Research Center, 650 Harry Rd., San Jose, CA 95120; (408) 927-2444
- 12-14  
Solid State Lasers Topical Meeting/Sino-Japanese Joint Meeting on Optical Fiber Science and Electromagnetic Theory '89  
Beijing, China  
Optical Society of America, 1816 Jefferson Pl. NW, Washington, DC 20036; (202) 223-0920
- 17-21  
Fourth International Conference on Modulated Semiconductor Structures  
Ann Arbor, MI  
MSS-4 Conf. Secretary, Extension Service, Conference Dept., Univ. of Michigan, 200 Hill St., Ann Arbor, MI 48104-3297
- 17-21  
Ninth International Conference on Vacuum Ultraviolet Radiation Physics  
Honolulu, HI  
C.S. Fadley, Dept. of Chemistry, Univ. of Hawaii, 2545 The Mall, Honolulu, HI 96822; (808) 948-6401
- 18-21  
Seventh International Conference on Integrated Optics and Optical Fiber Communication  
Kobe, Japan  
Secretariat, IOOC '89, c/o Business Center for Academic Societies Japan, Conference Dept., Yamazaki Bldg. 4F, 2-40-14, Hongo, Bunkyo-ku, Tokyo 113, Japan
- 23-24  
International Symposium on Computer-Aided Materials Characterization  
Charlotte, NC  
R. Biederman, Worcester Polytechnic Institute, Worcester, MA 01609; (508) 831-5453/5346
- 23-28  
American Crystallographic Association Annual Meeting  
Buffalo, NY  
American Crystallographic Association, 335 E. 45th St., New York, NY 10017; (212) 661-9404
- 23-28  
International Conference on Materials and Mechanisms of Superconductivity: High Temperature Superconductors (HTSC-M-S)  
Stanford, CA  
J. Higgins, Meeting Planning Associates, 883 Santa Cruz Ave., Menlo Park, CA 94025; (415) 326-7781; fax (415) 326-3945
- 24  
Short Course on Quality and Reproducibility of Image Analysis Data  
Charlotte, NC  
I. LeMay, Metallurgical Consulting Services, Ltd., P.O. Box 5006, Saskatoon, Saskatchewan, Canada S7K 4E3; (306) 244-4535
- 24-26  
Second International Conference on Vacuum Microelectronics  
Bath, England  
Meetings Officer, Institute of Physics, 47 Belgrave Square, London SW1X 8QX, England, 01-235-6111; fax 01-259-6002
- 24-26  
Second Micro-Optics Conference/Eighth Topical Meeting on Gradient-Index Optical Imaging Systems  
Tokyo, Japan  
K. Iga, Tokyo Institute of Technology, Research Laboratory of Precision Machinery and Electronics, 4259 Nagatsuta, Midori-ku, Yokohama 227, Japan
- 24-28  
Cryogenic Engineering Conference and International Cryogenic Materials Conference  
Los Angeles, CA  
D. Hustedt, CEC/ICMC Secretariat, Dept. of Chemical Engineering, BH 5405, Univ. of California, Los Angeles, CA 90024-1592

24-28  
Gordon Research Conference on Solid State Ionics  
Meriden, NH  
J. Bates, Solid State Div., Oak Ridge National Lab., P.O. Box 2008, Oak Ridge, TN 37831-6030; (615) 574-6280

25-26  
International Conference on Computer-Aided Microscopy and Quality Control  
Charlotte, NC  
J. Braun, EG&G Mound Applied Technologies, Miamisburg, OH 45343-0987; (513) 865-3829

30-4  
36th International Field Emission Symposium  
Oxford, England  
Conference Officer - IFES 1989, Royal Microscopical Society, 37-38 St. Clements, Oxford OX4 1AJ, United Kingdom; (0865) 248768/721081; fax (0865) 791237

31-1  
Space Cryogenics Workshop  
Pasadena, CA  
P.V. Mason, 183-901, Jet Propulsion Lab., Pasadena, CA 91109; (818) 354-2300

31-3  
Sixth International Meeting on Photoacoustic and Photothermal Phenomena  
Baltimore, MD  
J. Murphy, Johns Hopkins Applied Physics Lab, Johns Hopkins Rd., Laurel, MD 20707; (301) 953-6214

31-4  
36th International Field Emission Symposium  
Oxford, United Kingdom  
Administrator, Royal Microscopical Society, 37/38 St. Clements, Oxford, OX4 1AJ, U.K.; 865-248768  
(See related article in Vol. XIII No. 11.)

## AUGUST 1989

2-7  
32nd International Union of Pure and Applied Chemistry Congress  
Stockholm, Sweden  
IUPAC, c/o Stockholm Convention Bureau, P.O. Box 6911, S-10239 Stockholm, Sweden; 46 8 230990; fax 46 8 348441

6-10  
Fifth International Workshop on Glasses and Ceramics from Gels  
Rio de Janeiro, Brazil  
M.A. Aegerter, Instituto de Fisica e Quimica, Universidade de Sao Paulo, Cx. Postal 369, 13.560-Sao Carlos (SP), Brazil; (0162) 715755

6-11  
33rd Annual International Technical Symposium on Optical and Optoelectronic Applied Science and Engineering  
San Diego, CA  
D. Dowd, SPIE, P.O. Box 10, Bellingham, WA 98227-0010; (206) 676-3290

6-11  
47th Annual Meeting — Electron Microscopy Society of America  
San Antonio, TX  
E. Ruffing, Scherago Associates, 1515 Broadway, New York, NY 10036

7-9  
Second International Conference on Electrochemical Fluids  
Raleigh, NC  
A.F. Sprecher, Dept. of Materials Science & Engineering, North Carolina State Univ., Box 7907, Raleigh, NC 27695-7907; (919) 737-7278

13-26  
NATO Advanced Study Institute: High Tc Superconductors—Physics and Materials Science  
Bad Windsheim, W. Germany  
R. Kossowsky, Applied Research Lab., Pennsylvania State Univ., P.O. Box 30, State College, PA 16804; (814) 863-4481

28-1  
Third International Conference on Surface Modification Technologies  
Neuchatel, Switzerland  
The Minerals, Metals & Materials Society, 420 Commonwealth Dr., Warrendale, PA 15086; (412) 776-9050

28-1  
12th International Congress on X-Ray Optics and Microanalysis  
Krakow, Poland  
S. Jasienska, Academy of Mining and Metallurgy, Institute of Metallurgy, 30 059, Krakow, Poland

29-2  
International Symposium on Innovation and Perspectives in Solid Phase Synthesis  
Oxford, England  
R. Epton, School of Applied Sciences, Wolverhampton Polytechnic, Wolverhampton WV1 1SB, England

## SEPTEMBER 1989

4-6  
Fourth MRM Conference  
Rimini, Italy  
L. Pareti, Istituto Maspec CNR, Via Chiavari 18/A, 43100 Parma, Italy; 521-95811; fax 521-96315

4-8  
Macromolecules '89: Second Euro-American Conference on Functional Polymers and Biopolymers  
Oxford, England  
R. Epton, School of Applied Sciences, Wolverhampton Polytechnic, Wolverhampton WV1 1SB, England

5-7  
International Conference on Applications of Supercomputers in Engineering  
Southampton, United Kingdom  
L. Newman, Computational Mechanics Institute, 52 Henstead Rd., Southampton, S01 2DD, England; 44-703-221398; fax 44-703-331020

5-7  
International Conference on Interfacial Phenomena in Composite Materials  
Sheffield, United Kingdom  
J. Herriot, Conference Organizer, Butterworth Scientific Ltd., P.O. Box 63, Westbury House, Bury St., Guildford, Surrey GU2 5BH, United Kingdom; 0483-300966

5-9  
First European Conference on Accelerators in Applied Research Technology (ECAART)  
Frankfurt am Main, W. Germany  
K. Bethge, Institut für Kernphysik, August-Euler-Str. 6, D-6000 Frankfurt am Main 90; 069-7 98 42 42/44

6-9  
European Magnetic Materials and Applications '89 Conference  
Rimini, Italy  
L. Pareti, Local Chairman EMMA '89, Istituto Maspec CNR, Via Chiavari 18/A, 43100 Parma, Italy; 521-95811; fax 521-96315

6-15  
International School of Plasma Physics—Tritium and Advanced Fuels in Fusion Reactors  
Varenna, Italy  
E. Sindoni, International School of Plasma Physics, 16 Via Celoria, 20133 Milano, Italy; 239 22 67; 266 50 05; fax 223-66583

10-15  
198th American Chemical Society National Meeting  
Miami Beach, FL  
Meetings Dept., American Chemical Society, 1155 16th St. NW, Washington, DC 20036; (202) 872-4396

11-15  
European Conference on Optical Communication  
Gothenburg, Sweden  
ECOC '89 Secretariat, Chalmers University of Technology, Dept. of Electrical Measurements, Research Laboratory of Electro-Optics and Laser, S-41296 Gothenburg, Sweden

17-20  
12th Biennial ASME Conference on Mechanical Vibration and Noise  
Montreal, Canada  
T.S. Sankar, Dept. of Mechanical Engineering, S-B 302, Concordia Univ., 1455 de Maisonneuve Blvd., Montreal, Quebec, Canada H3G 1M8; (514) 848-3130/3160

17-22  
Conference on Productivity and Technology in the Metallurgical Industries  
Cologne, W. Germany  
B. Kamperman, The Minerals, Metals & Materials Society, 420 Commonwealth Dr., Warrendale, PA 15086; (412) 776-9050

17-22  
TMS Fall Meeting: Extractive and Process Metallurgy  
Cologne, W. Germany  
The Minerals, Metals & Materials Society, 420 Commonwealth Dr., Warrendale, PA 15086; (412) 776-9050

17-22  
International Conference on the Science and Technology of Defect Control in Semiconductors, Yokohama 21st Century Forum  
Yokohama, Japan  
K. Sumino, Lab. Physics of Crystal Defects, Institute for Materials Research, Tohoku Univ., 2-1-1 Katahira, Sendai 980, Japan

18-22  
American Society for Precision Engineering Annual Meeting and Fifth International Precision Engineering Seminar  
Monterey, CA  
G. Swingle, ASPE/IPES5, Conference Office, P.O. Box 808, L-292, Livermore, CA 94550; (415) 422-5447; fax (415) 423-2419

20-22  
Second International Conference on Structural Adhesives in Engineering II  
Bristol, United Kingdom  
J. Herriot, Conference Organizer, Butterworth Scientific Ltd., P.O. Box 63, Westbury House, Bury St., Guildford, Surrey GU2 5BH, United Kingdom; 0483-300966

22-25  
Third International Symposium on Defect Recognition and Image Processing for Research and Development of Semiconductors—DRIP III  
Tokyo, Japan  
T. Ogawa, Dept. of Physics, Gakushuin Univ., Mejiro, Tokyo 171, Japan; 03-986-0221, ext. 459; fax 03-590-2602

25-29  
11th International Vacuum Congress (IVC-11) and 7th International Conference on Solid Surfaces (CSS-7)  
Cologne, W. Germany  
D.A. Benninghoven, Physikalisches Institut Der Universitat Munster Wilhelm-Klemm Strasse 10, D-4000, Munster, W. Germany

26-28  
21st International SAMPE Technical Conference  
Atlantic City, NJ  
SAMPE, 843 W. Glentana, P.O. Box 2459, Covina, CA 91722; (818) 331-0616

## OCTOBER 1989

1-5  
Symposium on Simulation and Theory of Evolving Microstructures and Textures, TMS Fall Meeting  
Indianapolis, IN  
M.P. Anderson, Exxon Research and Engineering Co., Rt. 22 East, Annandale, NJ 08801; (201) 730-2756

2-4  
Second European Conference on Electron and Optical Beam Testing of Integrated Circuits  
Duisburg, W. Germany  
E. Kubalek and L.J. Balk, Werkstoffe der Elektrotechnik, Universitat Duisburg, Kommandantenstr. 60 D-4100 Duisburg 1, W. Germany; 49-203 3 79 34 06

2-6  
European Space Power Conference  
Madrid, Spain  
J.-C. Larue, European Space Research and Technology Centre, XPG, Postbus 299, 2200 AG Noordwijk ZH, Netherlands; 31 (0) 1719 83973; fax 1719 17400

8-11  
Fourth Workshop on Organometallic Vapor Phase Epitaxy  
Monterey, CA  
B. Kamperman, The Minerals, Metals & Materials Society, 420 Commonwealth Dr., Warrendale, PA 15086; (412) 776-9050; fax (412) 776-3770

15-20  
OSA Annual Meeting  
Orlando, FL  
Optical Society of America, 1816 Jefferson Pl. NW, Washington, DC 20036; (202) 223-0920

21-24  
Soil Dynamics & Earthquake Engineering IV Conference  
Mexico City, Mexico  
L. Newman, Computational Mechanics Institute, 52 Henstead Rd., Southampton, S01 2DD, England; 44-703-221398; fax 44-703-331020

# CALENDAR

22-28  
 Second International Conference on Solid State & Integrated Circuit Technology  
 Beijing, China  
 Continuing Education in Engineering, University Extension, Univ. of California, 2223 Fulton St., Berkeley, CA 94720; (415) 642-4151; fax (415) 643-8683  
*(See related article in Vol. XIII No. 11.)*

23-27  
 36th National Vacuum Symposium  
 Boston, MA  
 M. Churchill, American Vacuum Society, 335 E. 45th St., New York, NY 10017; (212) 661-9404

24-29  
 European Conference on Applications of Surface and Interface Analysis (ECASIA 89)  
 Antibes, France  
 J. Fauvet, Societe Francais du Vide, 19 rue du Renard, F-75004 Paris, France

## NOVEMBER 1989

27-2  
**MRS** Materials Research Society Fall Meeting  
 Boston Marriott and Westin Hotels/Copley Place, Boston, MA  
 M. Geil, Materials Research Society, 9800 McKnight Rd., Suite 327, Pittsburgh, PA 15237; (412) 367-3003; fax (412) 367-4373

## DECEMBER 1989

14-26  
 Royal Australian Chemical Institute PAC-Chem 89: International Congress of Pacific Basin Chemical Societies  
 Hawaii  
 D.J.T. Hill, Chemistry Dept., Univ. of Queensland, St. Lucia, Queensland, 4067, Australia

## MARCH 1990

12-16  
 American Physical Society Meeting  
 Anaheim, CA  
 W.W. Havens, Jr., APS, 335 E. 45th St., New York, NY 10017

## APRIL 1990

16-20  
**MRS** Materials Research Society Spring Meeting  
 San Francisco, CA  
 M. Geil, Materials Research Society, 9800 McKnight Rd., Suite 327, Pittsburgh, PA 15237; (412) 367-3003; fax (412) 367-4373

## JUNE 1990

18-22  
**MRS** C-MRS International '90  
 Beijing, China  
 Hengde Li, Dept. of Materials Science & Engineering, Tsinghua Univ., Beijing 100084, China; 655646; fax 861-256-2768

## JULY 1990

30-2  
 Eighth International Conference on Ion Implantation Technology  
 University of Surrey, United Kingdom  
 P.L.P. Hemment, Dept. of Electronic & Electrical Engineering, Univ. of Surrey, Guildford, Surrey GU2 5XH; (0483) 571281; fax (0483) 300803

## OCTOBER 1990

8-12  
 37th National Vacuum Symposium  
 Toronto, Ontario, Canada  
 M. Churchill, American Vacuum Society, 335 E. 45th St., New York, NY 10017

## FUTURE MRS MEETINGS

### MRS SPRING MEETINGS

1989	April 24-29	San Diego, CA
1990	April 16-20	San Francisco, CA
1991	April 29-May 3	Anaheim, CA
1992	April 27-May 1	San Francisco, CA
1993	May 17-21	Anaheim, CA
1994	April 11-15	San Francisco, CA
1995	April 10-14	Anaheim, CA
1996	April 22-26	San Francisco, CA
1997	to be announced	
1998	April 20-24	San Francisco, CA
1999	to be announced	
2000	April 10-14	San Francisco, CA

### MRS FALL MEETINGS

1989	Nov. 27-Dec. 2	Boston, MA
1990	Nov. 26-Dec. 1	Boston, MA
1991	Dec. 2-6	Boston, MA
1992	Nov. 30-Dec. 4	Boston, MA
1993	Nov. 29-Dec. 3	Boston, MA
1994	Nov. 28-Dec. 2	Boston, MA
1995	Nov. 27-Dec. 1	Boston, MA

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