

## Upcoming: December 2-6, MRS Fall Meeting in Boston.

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 (Materials Research Society), E-MRS (European Materials Research Society, MRS-I (Materials Research Society of India), MRS-J (Materials Research Society of Japan), or IUMRS (International Union of Materials Research Societies) at the end of an entry indicates sponsorship or co-sponsorship of a meeting. "Endorsed" identifies meetings endorsed by MRS.**

▼ identifies a new or revised entry this month.

See the September 1991 MRS BULLETIN for Calendar entries from November 1-30, 1991.

### DECEMBER 1991

- 2-6  
**Materials Research Society Fall Meeting**  
 Boston, MA  
 M. Geil, Materials Research Society, 9800 McKnight Rd., Pittsburgh, PA 15237; (412) 367-3003; fax (412) 367-4373. **MRS.**
- 3-5 ▼  
 3rd Intl. Toki Conf. on Plasma Physics and Controlled Nuclear Fusion: Applied Superconductivity for Nuclear Fusion Research  
 Toki City, Japan  
 J. Yamamoto, ITC-3, Natl. Inst. for Fusion Science, Nagoya 464-01, Japan; 81-52-781-5111, ext. 4545; fax 81-52-782-8493.
- 4-6  
 Advanced Technology Workshop on Ceramic Multichip Modules  
 Islamorada, FL  
 Intl. Society for Hybrid Microelectronics, P.O. Box 2698, Reston, VA 22090-2698; (800) 232-ISHM or (703) 471-0066; fax (703) 471-1937.
- 9-12  
 Polymer Waste Management Conference  
 New Orleans, LA  
 D. Morrill, VPI & SU, 1103 CRB, Blacksburg, VA 24061-0212; (703) 231-3029.
- 12-13  
**MRS-Japan Annual Meeting**  
 Kawasaki, Japan  
 c/o KSP, W-304, 100-1 Sakato, Takatsu-ku, Kawasaki 213, Japan; 81-44-8192001; fax 81-44-8192009. **MRS-J.**

- 16-20  
**Conference on Emerging Optoelectronic Technologies (CEOT '91)**  
 Bangalore, India  
 SPIE Technical Program Committee/India '91, P.O. Box 10, Bellingham, WA 98227-0010; (206) 676-3290; fax 647-1145.  
**MRS-I, Endorsed.**  
 (See related article in February 1991.)

- 17-19  
 Condensed Matter and Materials Physics Conference (CMMP-91)  
 Birmingham, England  
 S. Keeley, CMMP-91, School of Physics and Space Research, Univ. of Birmingham, Edgbaston, Birmingham B15 2TT, United Kingdom.

- 18-20  
 Engineering Ceramics: Fabrication Science and Technology  
 Manchester, United Kingdom  
 R. Freer, Institute of Ceramics, Shelton House, Stoke Rd., Shelton, Stoke-on-Trent ST4 2DR, U.K.; 44-782-20-21-16; fax 44-782-20-24-21.

### JANUARY 1992

- 5-10 ▼  
 Engineering Education: Curriculum Innovation and Integration  
 Santa Barbara, CA  
 C.V. Freiman, Engineering Foundation, 345 E. 47th St., New York, NY 10017; (212) 705-7835; fax (212) 705-7441.
- 18-23 ▼  
 Fullerene Molecules: Scientific and Technological Opportunities  
 Tucson, AZ  
 C.V. Freiman, Engineering Foundation, 345 E. 47th St., New York, NY 10017; (212) 705-7835; fax (212) 705-7441.
- 19-24  
 Optics, Electro-Optics, and Laser Applications in Science and Engineering (OE LASE '92)  
 Los Angeles, CA  
 SPIE, P.O. Box 10, Bellingham, WA 98227-0010; (206) 676-3290; fax (206) 647-1445.
- 22-24 ▼  
 Intl. Workshop on Science and Technology for Surface Reaction Process  
 Tokyo, Japan  
 Y. Aoyagi, RIKEN (Inst. Phys. Chem. Res.), Hirosawa, Wako, Saitama 351-01, Japan; 81-484-62-1111, ext. 3321; fax 81-484-62-4659.
- 27-28 ▼  
 Nanotechnology: Science at the Atomic Scale  
 Tokyo, Japan  
*Nature*, 1137 National Press Bldg., Washington, DC 20045; (202) 737-2355; fax (202) 628-1609. In Japan, contact D. Swinbanks at *Nature*, 81-3-3267-8751; fax 81-3-3267-8746.

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

### FEBRUARY 1992

- 3-7  
 19th Australian Polymer Symposium  
 Perth, Western Australia, Australia  
 G.M. Ferguson, Chemistry Centre WA, 125 Hay St., East Perth, 6004, Western Australia, Australia; 61-9-222-3010; fax 61-9-325-7767.
- 16-19 ▼  
 Intl. Conf. and Exhibition on Advances in Materials and Processes  
 Bombay, India  
 P. Ramakrishnan, Convenor, ICAMPS-92, Dept. of Metallurgical Engineering, Indian Institute of Technology, Powai, Bombay-400 076, India; 91-22-5783579; fax 91-22-5783480.

- 18-20 ▼  
 6th Intl. Conf. on Interconnection Technology in Electronics  
 Fellbach, Germany  
 Deutscher Verlag für Schweißtechnik DVS, Aachenstr. 172, 4000 Düsseldorf 1, Germany; 49-211-157590; fax 49-211-1575950.

- 19-21  
**TECH'MAT 92: Intl. Meeting on Modern Materials**  
 Paris, France  
 SEPMI, 8, rue de la Michodiere, 75002 Paris, France; 33-1-47-42-92-56; fax 33-1-42-66-14-28.

- 23-27 ▼  
 16th Annual Workshop on Composite Materials  
 Berkeley, CA  
 A. Boatwright, UC Berkeley Extension, 2223 Fulton Street, Berkeley, CA 94720, (415) 642-3112; fax (510) 643-8683.

### MARCH 1992

- 1-5  
 TMS Annual Meeting  
 San Diego, CA  
 Meeting Services, TMS, 420 Commonwealth Dr., Warrendale, PA 15086; (412) 776-9050; fax (412) 776-3770.
- 3-5 ▼  
 Materials of Construction for the 21st Century Conf.  
 College Station, TX  
 G.L. Sorensen, 21st Century Conference, Materials Div., Dept. of Civil Engineering, Texas A&M Univ., College Station, TX 77843-3136; (409) 845-9970; fax (409) 845-0278.  
 (See related article in this issue.)

- 4-6 ▼  
 4th Annual Intl. Industrial Symposium on the Super Collider and Exhibition  
 New Orleans, LA  
 P.E. Patterson, IISCC, P.O. Box 171551, San Diego, CA 92197; (619) 490-0164; fax (619) 490-0318.

- 4-7 ▼  
**Philosophical, Ethical, and Practical Aspects of Editing Refereed Science Journals**  
 Nashville, TN  
 Conference of Editors, Box 6008, Stn. B, Vanderbilt Univ., Nashville, TN 37235; (615) 322-2923; fax (615) 343-8645. **MRS.**  
 (See related article in this issue.)

- 8-13 ▼  
 Symposium on Microlithography  
 San Jose, CA  
 SPIE, P.O. Box 10, Bellingham, WA 98227-0010; (206) 676-3290; fax (206) 647-1445.

- 9-11  
 4th Intl. Symposium on Integrated Ferroelectrics  
 Monterey, CA  
 ISIF '92 Conf. Coordinator, Microelectronics Research Labs, Univ. of Colorado, P.O. Box 7150, Colorado Springs, CO 80933-7150; (719) 593-3488; fax (719) 594-4257.

- 9-13  
**PITTCON '92 (Pittsburgh Conference)**  
 New Orleans, LA  
 The Pittsburgh Conference, 300 Penn Center Blvd., Suite 332, Pittsburgh, PA 15235-5503; fax (412) 825-3224.

- 16-20  
 APS March Meeting  
 Indianapolis, IN  
 APS, 335 E. 45th St., New York, NY 10017; (212) 661-9404.

- 23-27 ▼  
 Compound Semiconductor Physics and Devices  
 Somerset, NJ  
 SPIE, P.O. Box 10, Bellingham, WA 98227-0010; (206) 676-3290; fax (206) 647-1445.

- 30-3  
 10th International Conference on Plasma-Surface Interactions in Controlled Fusion Devices  
 Monterey, CA  
 W. Bauer, 10th PSI Conference Chairman, Sandia National Laboratories, Livermore, CA 94551-0969; (415) 294-2994; fax (415) 294-3231

### APRIL 1992

- 1-3 ▼  
 1st Intl. Conf. on Multichip Modules  
 Oakland, CA  
 W.E. King, Lawrence Livermore Natl. Lab., P.O. Box 808, L-357, Livermore, CA 94550; (415) 423-6547; fax (415) 423-7040.

- 6-8 ▼  
 14th Annual Intl. Safety, Industrial Hygiene, Medical, and Environmental Conf.  
 Phoenix, AZ  
 Semiconductor Safety Assoc., P.O. Box 17517, Austin, TX 78760; (512) 445-5909.

- 6-10 ▼  
 Intl. Conf. on Metallurgical Coatings and Thin Films  
 San Diego, CA  
 S.V. Krishnaswamy, Westinghouse Science and Technology Center, 1310 Beulah Rd., Pittsburgh, PA 15235; (412) 256-1998; fax (412) 256-1348.

- 7-9  
 Magnesium Alloys and Their Applications  
 Garmisch-Partenkirchen, Germany  
 Deutsche Gesellschaft für Materialkunde EV, Adenauerallee 21, D-6370 Oberursel, Germany; 49-6-171-4081; fax 49-6-171-52554.

- 9-12  
 ASME-Japanese Society of Mechanical Engineers Joint Conference on Electronic Packaging  
 San Jose, CA  
 ASME, 345 E. 47th St., New York, NY 10017; (212) 705-7000.

- 12-15  
 2nd European Conference on the Application of Polar Dielectrics (incorporating the 4th Intl. Symposium on Integrated Ferroelectrics)  
 London, England  
 K.J. Humphrey, Alcan International Ltd., Banbury Laboratories, Southam Road, Banbury, Oxfordshire, OX16 7SP, UK; fax 44-295-274216.

- 20-23  
 Energy and Environment: Transitions in Eastern Europe  
 Prague, Czechoslovakia  
 Czechoslovakia Conference Coordinator, Univ. of North Dakota EERC, Box 8213, University Station, Grand Forks, North Dakota, 58202-8213; (701) 777-3120; fax (701) 777-5181.

- 20-24 ▼  
 4th Intl. Conf. on Indium Phosphide and Related Materials  
 Newport, RI  
 S.D. Evans, IEEE/LEOS, 445 Hoes Lane, P.O. Box 1331, Piscataway, NJ 08855-1331; (908) 562-3896; fax (908) 562-1571.

- 21-24  
 Frontiers of Electron Microscopy in Materials Science  
 Oakland, CA  
 W.E. King, Lawrence Livermore Natl. Lab., P.O. Box 808, L-357, Livermore, CA 94550; (415) 423-6547; fax (415) 423-7040.

## Images of Materials

Edited by DAVID B. WILLIAMS, ALAN R. PELTON and RONALD GRONSKY

This spectacularly illustrated book offers a dramatic introduction to the structural beauty of everyday materials and the space-age technologies used to probe their appearance.

August 1991 · 416 pp.; 410 illus., 78 color plates  
\$75.00

## Band Theory of Solids An Introduction From the Point of View of Symmetry

SIMON L. ALTMANN

This is the only book to provide an introduction to the band theory of solids emphasizing concepts of solid-state theory which derive from group theory.

September 1991 · 304 pp.; 93 illus.  
\$85.00

## Atomic and Molecular Beam Methods

### Volume 2

Edited by GIACINTO SCOLES

This is the second volume of an advanced handbook on experimental molecular beam methods, and topics such as sub-doppler spectroscopy, photodissociation, molecular beam-masers, and others are discussed in detail.

1991 · 816 pp.; 278 illus.  
\$125.00

## The History of Solid State Physics

Edited by LILLIAN HODDESON,  
ERNST BRAUN, JURGEN TEICHMANN  
and SPENCER WEART

This monumental work chronicles the emergence of solid-state physics which grew to maturity between 1920 and 1960.

November 1991 · 768 pp.; 23 illus.  
\$75.00

## Condensed Matter Physics

AKIRA ISHARA

This outstanding book serves as both an introduction to the research and a graduate text on condensed matter physics. It emphasizes applications to a variety of systems rather than theoretical derivations and techniques.

October 1991 · 368 pp.; 156 illus.  
\$59.95

## Surface Electronic Transport Phenomena in Semiconductors

### Electron Transfer and Holes Near the Surface of Semiconductors

V.N. DOBROVOLSKY and V.G. LITOVCHENKO

This monograph provides a survey of the diverse experimental and theoretical results for electron and hole transport in surface and subsurface regions of semiconductors.

(Semiconductor Science and Technology No. 2)

October 1991 · 240 pp.; 83 illus.  
\$69.95

Now available in paperback

## High-Resolution Transmission Electron Microscopy and Associated Techniques

Edited by PETER BUSECK, JOHN COWLEY and  
LEROY EYRING

"A classic. . . authoritative, readable, and clearly shows that HRTEM can provide a wealth of information about thin solid specimens that is difficult, if not impossible, to obtain by any other analytical method."

—*Journal of Solid State Chemistry*

1989 (paper September 1991) · 672 pp.; 215 illus.  
paper \$49.95/ cloth \$75.00

## An Introduction to Surface Analysis by Electron Spectroscopy

JOHN F. WATTS

This handbook provides an introduction to X-ray photoelectron spectroscopy and Auger electron spectroscopy. It explains the underlying physical principles, discusses instrumentation, and looks at the interpretation of resulting spectra.

(Royal Microscopical Society Microscopy Handbooks 22)

1990 · 96 pp.; 40 illus.  
paper \$23.95

## Niels Bohr's Times, In Physics, Philosophy, and Polity

ABRAHAM PAIS

Niels Bohr was the first to understand how atoms were put together, and played a major role in shaping the theory of the atomic nucleus. The astonishing accomplishments of the scientist, philosopher, and humanitarian are detailed in this marvelous biography.

1991 · 604 pp.; 43 illus.  
\$35.00

## Two-Phase Polymer Systems

Edited by L.A. UTRACKI

This volume examines the common denominators of polymer mixtures (foams, blends, and composites), methods of combining the ingredients, and structure development during processing.

(Progress in Polymer Processing)

(Hanser Publishers)

\$84.00

## Scanning Force Microscopy With Applications to Electric, Magnetic, and Atomic Forces

DROR SARID

This completely up-to-date volume is the first book to describe the rapidly growing spectrum of technologies used to map surface forces.

(Oxford Series in Optical and Imaging Sciences 2)

1991 · 272 pp.; 79 illus.

\$45.00

## Rare Earth Magnetism Structures and Excitations

JENS JENSEN and ALLAN R. MACKINTOSH

This monograph presents a coherent account of magnetic structures and excitations — which both reflect the nature of the fundamental magnetic interactions and determine many of the characteristic properties of metals.

(International Series of Monographs on Physics 81)

1991 · 416 pp.; 70 illus.

\$75.00

## Semiconductor Devices, Circuits, and Systems

ALBRECHT MOSCHWITZER

Integration (VLSI) of electronic circuits and systems needs interdisciplinary work by device physicists, process developers, circuit designers, design automation specialists, and computer architects. This book covers all these topics.

(Monographs in Electrical and Electronic Engineering)

September 1991 · 384 pp.; 342 illus.

\$79.00

Please visit Booth No. 209 at the MRS Equipment Exhibit in Boston, December 3-5, 1991.

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22-24 ▼  
Critical Currents in High-T<sub>c</sub> Superconductors  
Vienna, Austria  
Critical Currents—Vienna '92, Conf. Organizer, Butterworth-Heinemann Ltd., Linacre House, Jordan Hill, Oxford, OX2 8DP, U.K.; 44-865-310366; fax 44-865-311268.

27-30 ▼  
16th Annual Conf. Course on Thermal Analysis in Research and Production  
Brooklyn, NY  
E.A. Turi, Polytechnic Univ., 333 Jay St., Brooklyn, NY 11201; (718) 260-3030; fax (718) 260-3136.

27-1 ▼  
**Materials Research Society Spring Meeting**  
San Francisco, CA  
M. Geil, Materials Research Society, 9800 McKnight Rd., Pittsburgh, PA 15237; (412) 367-3003; fax (412) 367-4373. **MRS.**

28-1  
7th International Symposium on Temperature: Its Measurement and Control in Science and Industry  
Toronto, Ontario, Canada  
7th Symposium on Temperature, Instrument Society of America, P.O. Box 12277, Research Triangle Park, NC 27709; (919) 549-8411.

## MAY 1992

4-8 ▼  
IES 38th Annual Technical Meeting and Equipment Exposition  
Nashville, TN  
Institute of Environmental Sciences, 940 E. Northwest Hwy., Mount Prospect, IL 60056; (708) 255-1561; fax (708) 255-1699.

10-15 ▼  
Conf. on Lasers and Electrooptics, and Quantum Electronics and Laser Science Conf.  
Anaheim, CA  
CLEO/QELS '92, Optical Society of America, 2010 Massachusetts Ave., NW, Washington, DC 20036-1023; (202) 223-0920; fax (202) 416-6100.

11-15  
11th International Conference on Vacuum Metallurgy  
Juan-les-Pines, France  
Societe Francaise du Vide, 19, rue du Renard, 75004 Paris, France; 33-1-42-78-15-82; fax 33-1-42-78-63-20.

25-27 ▼  
Workshop on Interfacial Phenomena at Carbon Surfaces  
Atlanta, GA  
R.T.K. Baker, Dept. of Chemical Engineering, 230 Ross Hall, Auburn, Univ., Auburn, Alabama 36849-5127; (205) 844-2007; fax (205) 844-5900.

25-29 ▼  
Beijing Intl. Conf. on High-T<sub>c</sub> Superconductivity  
Beijing, China  
S.S. Xie, Institute of Physics, CAS, P.O. Box 603, Beijing 100080, China; 86-281866; fax 86-1-2568834.

## JUNE 1992

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, General Secretary, E-MRS 1992 Spring Meeting, CTF-EMRS Conferences, B.P. 20, F-67037 Strasbourg Cedex, France; 33-88-28-65-43; fax 33-88-28-09-90. **E-MRS.**

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/CMC-92)  
Kiev, U.S.S.R.  
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, U.S.S.R., 7-44-269-09-60; fax 7-44-296-09-60.

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  
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.

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.

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

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.

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

## JULY 1992

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.**

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.

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

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 Univs. 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.

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  
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.

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

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

The publishers of *Molecular Crystals and Liquid Crystals* announce a major new journal...

# MOLECULAR MATERIALS

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**Molecular Materials** acts as a focus for current academic and industrial research of both a theoretical and experimental nature in the design investigation and application of various molecular organic materials carried out in the Soviet Union and elsewhere.

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- the structure and properties of molecular media as well as electronic and molecular processes, and the interaction of radiation with molecular media
- techniques for investigations (x-ray analysis, spectroscopy and scanning tunneling microscopy) applied to molecular materials
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**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.

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

**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 ▼**  
Symposium on Microelectronic Processing Integration  
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## OCTOBER 1992

**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.

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

**12-15**  
4th European Conf. on Laser Treatment of Materials  
Göttingen, 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**  
12th International Vacuum Congress and 8th International Conference on Solid Surfaces (IVC-12/ICSS-8)  
The Hague, Netherlands  
Van Namen & Westertaken Congress Organization Services, P.O. Box 1558, 6501 BN Nijmegen, 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.

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

## NOVEMBER 1992

**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.

**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.

**15-18 ▼**  
Intl. Tungsten Symposium  
Washington, DC  
Metal Powder Industries Federation, 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  
Bariolche, Argentina  
F.A. Ponce, Xerox PARC, 3333 Coyote Hill Rd., Palo Alto, CA 94304; (415) 494-4199; fax (415) 494-4105.

**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

**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.

## MARCH 1992

**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.

**22-26 ▼**  
APS March Meeting  
Seattle, WA  
American Physical Society, 335 E. 45 St., New York, NY 10017-3483; (212) 682-7341.

## APRIL 1993

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

**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.

## JUNE 1993

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

## AUGUST 1993

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

## 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  
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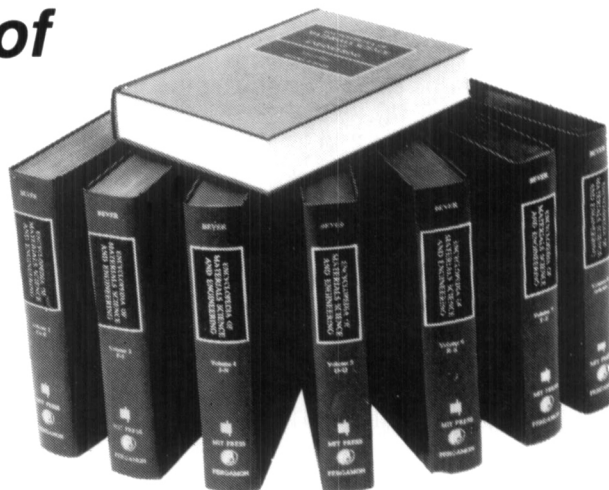
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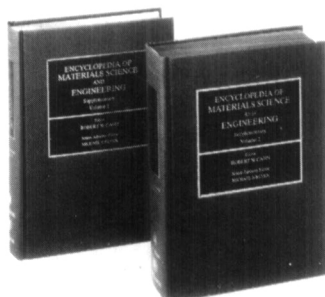
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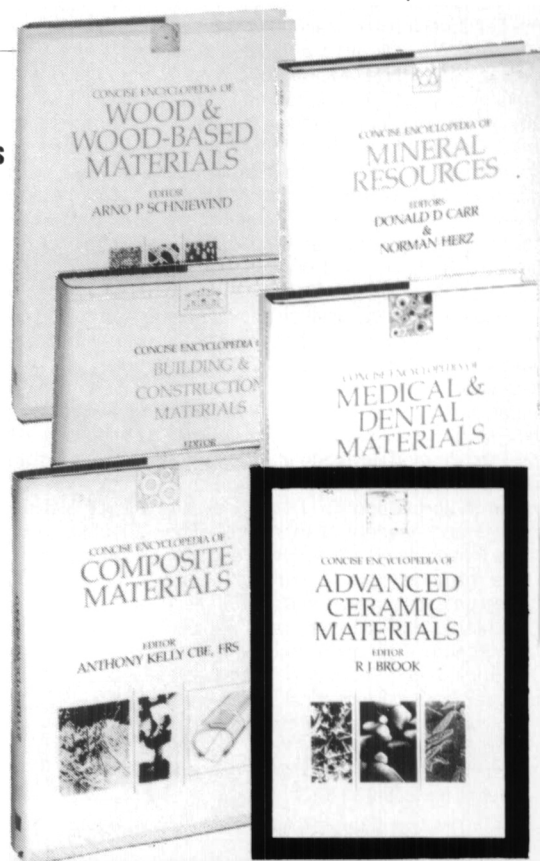
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