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# MATERIALS CONFERENCES

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*The Only Complete Calendar Of Every Major Symposium,  
Meeting, And Technical Conference For Materials Professionals*

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**Exclusively in the MRS BULLETIN, notices of all major technical meetings of interest to the materials community have been brought together into a single, comprehensive calendar by the Materials Research Society. Prepared by Julia Phillips of AT&T Bell Laboratories, the calendar is continuously updated and appears in every issue of the BULLETIN.**

**Meetings sponsored by or affiliated with the Materials Research Society appear in boldface type.**

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## JUNE 1984

- 3-6 Inter-Disciplinary Workshop on Structure and Properties of the Amorphous State  
Williamsburg, VA  
J. Voge, Div. of Polymer Chem., Polytechnic Inst. of New York,  
333 Jay St., Brooklyn, NY 11201
- 3-7 9th International Congress on Metallic Corrosion  
Toronto, ONT  
L. Baignee, Nat. Res. Council, Ottawa, ONT  
Canada K1A 0R6 (613) 993-9009
- 4-5 Short Course on Techniques for Surface Analysis  
Dayton, OH  
J. T. Grant, Research Inst., Univ. of Dayton, Dayton, OH 45469
- 4-7 International Symposium on Polymer Alloys:  
Structure and Properties  
Brugge, Belgium  
R. Fayt, Lab. de Chimie Macromoleculaire et de  
Catalyse Organique  
Univ. de Liege, Sart Tilman, 4000 Liege, Belgium
- 5-8 **MRS-EUROPE TECHNICAL CONFERENCE**  
**Strasbourg, France**  
**Secretariat, Centre de Recherches Nucleaires,**  
**Laboratoire Phase, F-67037 Strasbourg Cedex, France**
- 6-8 6th Symposium on Applied Surface Analysis  
Dayton, OH
- 10-13 58th Colloid & Surface Science Symposium  
Pittsburgh, PA  
G. D. Parfitt, Chem. Eng. Dept., Carnegie-Mellon Univ.,  
Pittsburgh, PA 15213  
(412) 578-3848
- 11-13 Symposium on Specialty Materials and Refractory  
Metal Alloy Melting and Processing  
Pittsburgh, PA  
G.K. Bhat, Bhat Tech International  
172 Boxfield Rd., Pittsburgh, PA 15241 (412) 835-9212
- 18-20 1984 Physical Electronics Conference  
Princeton, NJ

J. E. Rowe, Physics Dept., 215 Williamson Hall, Univ. of  
Florida,  
Gainesville, FL

## JULY 1984

- 2-4 2nd International Symposium on Applications of Laser  
Anemometry to Fluid Mechanics  
Lisbon, Portugal  
D. F. G. Durao, Dept. of Mech. Eng., Inst. Superior Tecnico,  
Ave. Rovisco Pais, 1096 Lisbon, Portugal
- 3-6 International Conference on Crystal Growth and Characterization  
of Polytype Structures  
Marseilles, France  
A. Baronnet, CRMCC, Cnrs, Campus Luminy, Case 913,  
13288 Marseilles, Cedex 9, France
- 16-20 **International Conference on Ion Beam Modification of Materials**  
**Ithaca, NY**  
**J. W. Mayer, IBMM '84, Bard Hall, Cornell Univ., Ithaca, NY**  
**14853**
- 16-20 3rd International EXAFS Conference  
Stanford, CA
- 31-3 International Conference on Heavy Doping  
and the Metal-insulator Transition in Semiconductors  
UC Santa Cruz, CA

## AUGUST 1984

- 1-3 The Physics of VLSI  
Palo Alto, CA  
K. Saraswat, McCullough 118, Stanford Univ., Stanford, CA  
94305  
(415) 497-2956
- 1-3 3rd International Conference on MBE  
San Francisco, CA
- 1-4 Topical Conference on Optical Effects in Amorphous  
Semiconductors  
Salt Lake City, UT  
W. W. Havens, Jr., 335 E 45 St., New York, NY 10017  
(212) 661-9404
- 2-3 Spectroscopy of Shallow Centers in Semiconductors  
UC Berkeley, CA
- 4-14 27th International Geological Congress  
Moscow, USSR  
Sec., 27th Int. Geological Cong., Inst. of Lithosphere,  
Academy of Sciences, 22 Staromonety, Moscow 109180, USSR
- 6-10 International Conference on the Physics of Semiconductors  
San Francisco, CA  
R. Z. Bachrach, Xerox Palo Alto Res. Ctr., 3333 Coyote Hill  
Road,  
Palo Alto, CA 94304
- 12-17 Meeting of the Electron Microscopy Society of America  
Detroit, MI  
C. E. Lyman, Central Research & Development Dept.,

- E. I. DuPont, Experimental Sta., Wilmington, DE 19898  
(302) 772-4887
- 13-16 1st International Conference on the Structure of Surfaces  
Berkeley, CA  
M. A. VanHove, Dept. of Chem., Univ. of CA, Berkeley, CA  
94720
- 13-16 International Conference on Superlattices, Microstructures and  
Microdevices  
Champaign-Urbana, IL  
J. D. Dow, Dept. of Phys., Univ. of Notre Dame, Notre Dame,  
IN 46556  
(219) 239-6407
- 13-17 13th International Conference on Defects in Semiconductors  
Coronado, CA
- 13-17 6th International Conference on Thin Films  
Stockholm, Sweden  
S. Berg, ICTF-6, Inst. of Tech., Uppsala Univ., Box 534,  
751 21 Uppsala, Sweden
- 13-17 International Conference on Luminescence  
Madison, WI  
W. H. Yen, Dept. of Physics, 1150 Univ. Av., Madison, WI  
53706
- 13-18 8th European Conference on Electron Microscopy  
Budapest, Hungary  
Congress Bureau, MOTESZ, Budapest, POB32, H-1361,  
Budapest, Hungary
- 15-17 International Conference on Progress in Optical Physics  
ICO-Australian Acad. of Science  
Melbourne, Australia  
I. J. Wilson, CSIRO Div. of Chem. Phys., PO Box 160,  
Clayton, Vic., Australia 3168
- 15-22 17th International Conference on Low Temperature Physics  
Karlsruhe, FRG  
H. Hirsch, LT-17 Conf. Sec., Kernforschungszentrum,  
Postfach 3640, 7500 Karlsruhe, FRG
- 19-22 AIChE Summer National Meeting  
Philadelphia, PA  
AIChE, Meetings Dept., 345 E. 47 St., New York, NY 10017  
(212) 705-7320
- 20-24 International Conference on Defects in Insulating Crystals  
Salt Lake City, UT  
F. Luty, Dept. of Phys., Univ. of Utah, Salt Lake City, UT  
84112  
(801) 581-7446
- 26-29 International Topical Meeting on Fuel Reprocessing and Waste  
Management  
Jackson Hole, WY  
W. McClure, PO Box 3807, Idaho Falls, ID 83401
- 26-31 188th National Meeting of the American Chemical Society  
Philadelphia, PA  
American Chem. Soc., 1155 16th St., NW, Washington, DC  
20036
- 27-31 3rd International Conference on Solid Films and Surfaces  
Sydney, Australia  
D. J. Miller, Sch. of Phys., Univ. of New South Wales,  
POB 1, Kensington, NSW 2033 Australia
- 27-31 6th General Conference of the European Physical Society  
Prague, Czechoslovakia  
Phys. Sec., Union of Czech. Mathematicians & Physicists,  
Na Slovance 2, 182 00, Prague 8, Czech.
- 29-31 **3rd International Symposium on Physical Metallurgy  
of Cast Iron**
- Stockholm, Sweden**  
**Secretariat, Symposium on Cast Iron CI 3,**  
**Materials Research Center,**  
**Royal Institute of Technology**  
**S-100 44 Stockholm, Sweden**
- 29-31 Conference on the Mechanical Characterization  
of Load Bearing Fiber Composite Laminates  
Brussels, Belgium  
Prof. A. Cardon, Faculty of Applied Science  
Telephone: 32-2-641-2923
- SEPTEMBER 1984
- 3-7 5th International Conference on Rapidly Quenched Metals  
Wuzburg, FRG  
RQ 5, Postfach 2253, D-6450 Hanau, FRG
- 10-13 8th International Symposium on Chemical Reaction  
Engineering  
Edinburgh, Scotland  
Dept. ISCRE, Conference Section, The Institution of Chemical  
Engineers, 165-171 Railway Terrace, Rugby, Warwickshire  
CV21 3HQ, England
- 13-14 Kinetics and Mass Transport of Silicate & Oxide Systems  
London, UK  
R. Freer, Dept. Electrical & Electronic Eng.,  
North Staffordshire Polytech., Beaconside, Stafford ST18 0AD
- 17-21 9th European Conference on Thermophysical Properties  
Manchester, UK  
Mtg. Officer, IOP, 47 Belgrave Sq., London SW1X 8QX, UK
- 17-21 7th International Conference on Textures of Materials  
The Netherlands  
Conf. Sec., PO Box 390, NL 3330 AJ Zwijndrecht,  
The Netherlands
- 23-28 International Conference on the Science of Hard Materials  
Rhodes, Greece
- 25-28 Energy Pulse Modification of Semiconductors & Related  
Materials  
Dresden, GDR  
H. U. Jager, Centralinstitut für Derrforschung, Rossendorf,  
8051 Dresden, Postfach 19, GDR
- OCTOBER 1984
- 9-11 Conference on Advances in Materials Technology for the Process  
Industries  
Atlanta, GA  
Dale Miller, Deputy Executive Dir. for Public Affairs,  
Natl. Assoc. of Corrosion Engineers, PO Box 218340,  
Houston, TX 77218
- 9-12 37th Gaseous Electronics Conference  
Boulder, CO  
W. W. Havens, Jr., 335 E. 45 St., New York, NY 10017  
(212) 661-9404
- 21-26 5th International Meeting on Radiation Processing  
San Diego, CA  
J. Silverman, PO Box 3060, Woburn, MA 01888
- 29-2 Optical Society of America Annual Meeting  
San Diego, Ca  
Optical Society of America, 1816 Jefferson Pl., NW,  
Washington, DC 20036
- 31-2 4th International Conference on Ferrites  
San Francisco, CA

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### NOVEMBER 1984

- 12-14 8th Conference on the Application of Accelerators in Research and Industry  
Denton, TX  
J. L. Duggan  
Physics Dept., North Texas State Univ., NT Box 5368,  
Denton, TX 76203  
(817) 565-3252
- 25-30 AIChE Annual Meeting  
San Francisco, CA  
AIChE, Meetings Dept., 345 E. 47 St., New York, NY 10017  
(212) 705-7320
- 26-30 **MATERIALS RESEARCH SOCIETY ANNUAL MEETING**  
**Boston Marriott Hotel/Copley Place**  
**Boston, MA**  
**J.B. Ballance, Executive Director**  
**Materials Research Society**  
**9800 McKnight Road, Suite 327**  
**Pittsburgh, PA 15237 (412) 367-3003**
- 27-30 30th Annual Conference on Magnetism and Magnetic Materials  
San Diego, CA  
J.T. Scott, AIP, 335 E. 45th St., New York, NY 10017

### DECEMBER 1984

- 4-7 31st National Vacuum Symposium  
Reno, NV  
N. Hammond, 335 E. 45 St., New York, NY 10017

### JANUARY 1985

- 20-24 American Physical Society/AAPT General Meeting  
Toronto, ONT

### MARCH 1985

- 24-28 AIChE Spring National Meeting  
Houston, TX  
AIChE, Meetings Dept., 345 E. 47th St., New York, NY 10017  
(212) 705-7320
- 25-29 American Physical Society General Meeting  
Baltimore, MD  
W. Havens, Jr., 335 E. 45 St., New York, NY 10017

### APRIL 1985

- 15-18 **MATERIALS RESEARCH SOCIETY SPRING CONFERENCE**  
**San Francisco, CA**  
**J.B. Ballance, Executive Director**  
**Materials Research Society**  
**9800 McKnight Road, Suite 327**  
**Pittsburgh, PA 15237 (412) 367-3003**
- 25-27 American Physical Society Spring Meeting  
Washington, DC  
W. Havens, Jr., 335 E. 45th St., New York, NY 10017

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## DATA STORAGE

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comfortable room) with E. Rothchild presenting an overview of the future of optical data storage. He predicted a surge in small disk applications, and a multi-billion-dollar market by the end of this decade. Both D. Davies and J. Cornet reminded us that the materials problems for the first-generation media have been brought under control, in excellent reviews of commercial products. N. Imamura outlined magneto-optical recording in a session which made apparent that very significant research and development efforts are under way in Japan.

### Vertical Recording

The session, "Magnetic Recording II" was dedicated to vertical recording. J. Judy gave an overview of this emerging field buttressed with a wealth of data—a delight for the materials scientist. That vertical recording is maturing was demonstrated by the in-depth studies of successive speakers.

### Chairmen

Geoffrey Bate, Verbatim Corporation  
Martin A. Bosch, AT&T Bell Laboratories  
Nobutake Imamura, KDD R&D Laboratories

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## DISPLAY/PRINTING

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displays, one on the gas-electron-phosphor display and the second on new developments in flat panel, color, guided electron-beam displays. An excellent survey of color phosphors for cathode ray tubes was also presented.

### PLZT Displays

Three papers described new developments in PLZT displays, new techniques for increasing the photosensitivity of PLZT for imaging devices and a new approach to production of atmosphere-sintered, transparent PLZT for displays and other optical applications. An excellent survey of the state of the art in electrophoretic materials, new developments in electrochromic displays and materials aspects of current thin film electroluminescent displays were presented by leading researchers in these fields.

### Printing Technologies

Three sessions of the symposium were devoted to papers on printing technologies. Papers were presented on the major non-impact printing technologies, including a detailed discussion of high-speed laser printers, descriptions of advances in photoconductor and toner development, and surveys of alternative magnetic and ion jet high-speed printing technologies.

### Chairmen

D.B. Dove, International Business Machines Corporation  
C.E. Land, Sandia National Laboratories