

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

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

See **MRS BULLETIN Vol. XIII No. 5** for **Calendar events from June 1 through June 30, 1988.**

JULY 1988

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

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

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

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

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

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

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

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

25-27
International Conference on High Temperature Superconductivity
Washington, DC
SOQUE, P.O. Box 245, McLean, VA 22101; (703) 642-5838

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

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

26-29
Course on Advanced Techniques in Electron Microscopy (Immunocytochemical and Cryo Methodologies)
Washington, DC
F. Lightfoot, George Washington University, 2300 I St. NW, Washington, DC 20037; (202) 994-2881

26-4
Fourth Asia-Pacific Conference and Workshop on Electron Microscopy
Bangkok, Thailand
V. Mangclaviraj, 4th APEM Secretariat, Scientific & Technological Research Equipment Centre, Chulalongkorn University, Chulalongkorn SOI 62, Paya-Thai Rd., Bangkok 10500, Thailand

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

AUGUST 1988

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

28-10
Structure-Property Relationships in Surface Modified Ceramics, Theory and Applications
NATO Advanced Study Institute
Pisa, Italy
C.J. McHargue, Metals and Ceramics Division, Oak Ridge National Laboratory, P.O. Box X, Oak Ridge, TN 37831-6118; (615) 574-4344
(See related article in Vol. XII No. 5.)

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

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

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

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

SEPTEMBER 1988

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

27-29
1988 Materials, Applications and
Services Exposition
Chicago, IL
P. Carlson, The Metallurgical
Society, 420 Commonwealth Dr.,
Warrendale, PA 15086; (412) 776-
9040

OCTOBER 1988

2-6
American Physical Society Fourth
International Laser Science
Conference
Atlanta, GA
L. Borders, Iowa Laser Facility,
University of Iowa, Iowa City,
Iowa 52242-1294; (319) 335-1299

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

4-6
Workshop on Tungsten and Other
Refractory Metals for VLSI
Applications V
Albuquerque, NM
L. Reid, Continuing Education in
Engineering, University
Extension, 2223 Fulton St.,
Berkeley, CA 94720;
(415) 642-4151

CALENDAR

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

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

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

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

18-19
U.S.-Sweden Joint Symposium on
Materials Futures: Strategies and
Opportunities
Philadelphia, PA
U.S.-Sweden Joint Symposium, c/o
College of Engineering, Univ. of
Delaware, Newark, DE 19716

19-21
Second Conference on Crystal
Growth of the American
Association of Crystal Growth
Eastern Region
Atlantic City, NJ
G.M. Loiacono, Philips
Laboratories, 345 Scarborough
Rd., Briarcliff Manor, NY 10510;
(914) 945-6075

21-23
Hydrogenated Amorphous Silicon
Devices and Technology
Yorktown Heights, NY
J. Kanicki, IBM T.J. Watson
Research Center, P.O. Box 218,
Yorktown Heights, NY 10598;
(914) 945-3885

23-26
41st Pacific Coast Regional
Meeting, Northern California
Section, American Ceramic
Society
San Francisco, CA
G. Selvaduray, Dept. of
Materials Engineering, San Jose
State Univ., San Jose, CA 95192;
(408) 924-3874

23-26
Symposium on Nonlinear Optical
Materials, American Ceramic
Society
San Francisco, CA
E.M. Vogel, Bellcore, 3Z-283, 331
Newmann Springs Rd., Red Bank,
NJ 07701; (201) 758-3261

23-26
MRS Symposium on Advanced
Characterization Techniques for
Ceramics (American Ceramic
Society Regional Meeting)
San Francisco, CA
W.S. Young, 715 Concord Pl.,
Gilroy, CA 95020; (408) 256-4394

NOVEMBER 1988

7-9
Tenth Conference on
Applications of Accelerators in
Research and Industry
Denton, TX
J.L. Duggan, Physics Dept., North
Texas State University, Denton,
TX 76203; (817) 565-3253

15-18
Fifth International Conference on
Quantitative Surface Analysis
London, United Kingdom
G.C. Smith, Division of Materials
Applications, National Physical
Laboratory, Teddington, Middx
TW11 0LW, United Kingdom

21-23
Hydrogenated Amorphous Silicon
Devices and Technology
Yorktown Heights, NY
J. Kanicki, IBM T.J. Watson
Research Center, P.O. Box 218,
Yorktown Heights, NY 10598;
(914) 945-3885

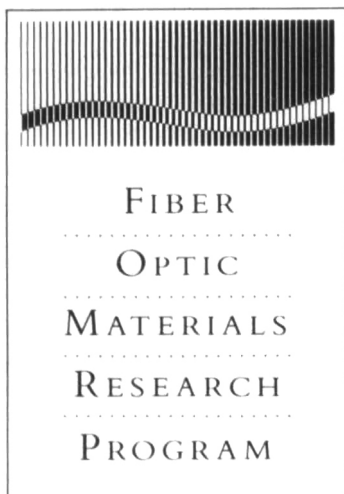
28-3
MRS Materials Research
Society Fall Meeting
Boston, MA
A. Wagner, Materials Research
Society, 9800 McKnight Rd.,
Suite 327, Pittsburgh, PA 15237;
(412) 367-3003

DECEMBER 1988

14-16
Seventh International Symposium
on Ceramics
Bologna, Italy
J. Routbort, U.S. Dept. of Energy,
Basic Energy Sciences, Div. of
Materials Science, ER 131, M.S.
G236, Washington, DC 20545

CLASSIFIED

Positions Available



FIBER OPTIC MATERIALS RESEARCH

Rutgers, the State University of New Jersey, is seeking exceptional candidates for two tenure track faculty positions available September 1, 1988 at the Assistant and Associate Professor level respectively. These positions involve both teaching and research as well as expertise in the following areas.

- Optical Materials Synthesis and Processing
- Glass Characterization
- Fiber Drawing and Coating
- Optical and Laser Spectroscopy
- Fiber Devices and Applications

A doctorate is required as well as a demonstrated record of research activity and publications in one or more of the designated areas. Excellent salaries and benefits are available to qualified candidates. Applicants should send curriculum vitae, publication list and the names of three references to: Dr. George H. Sigel, Jr., Director, Fiber Optic Materials Research Program, Rutgers University, PO Box 909, Piscataway, NJ 08855-0909.

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