

CALENDAR

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. 7 for Calendar events from August 1 through August 31, 1988.

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, Seestrass 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;
A. Gras Marti, Universidad de Alicante, LCLFCA, Apt. 99, E-03080, Alicante, Spain

5-7
International Conference on Interfacial Phenomena in Composite Materials (IPCM 89) Sheffield, United Kingdom
J. Herriot, Butterworth Scientific Ltd., P.O. Box 63, Westbury House, Bury St., Guildford, Surrey GU2 5BH, United Kingdom; 0483 300966; fax: 0483 301563

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

19-21
Workshop on Interfaces in Materials—Synthesis and Properties
Richland, WA
D.R. Baer, Battelle Pacific Northwest Labs, 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

19-23
International Conference on Plasma Surface Engineering
Garmisch-Partenkirchen, W. Germany
Conference Secretariat, Deutsche Gesellschaft für Metallkunde e.V., Adenauerallee 21, D-6370 Oberursel, W. Germany

20-22
International Conference on Microlithography—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

25-30
Polymers in Information Storage Technology
Los Angeles, CA
K.L. Mittal, IBM-Corporate Technical Inst., 500 Columbus Ave., Thornwood, NY 10594; (914) 742-5747

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

26-29
Short Wavelength Coherent Radiation Topical Meeting
North Falmouth, MA
Optical Society of America, 1816 Jefferson Pl. NW, Washington, DC 20036; (202) 223-8130

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 Bellerive, 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; (212) 661-9404

CALENDAR

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

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
H. Fuchs, Hahn-Meitner Institut, Berlin GmbH, Glienicke Strasse 100, D-1000 Berlin 39, W. Germany; (30) 8009-2291

10-19
European School on III-V Compound Microelectronics, 3rd Session
Paris, XI Orsay and Bordeaux, France
A.M. Ruiz Jimenez, Spain, 341 80 71 613; H. Henke, W. Germany, 49 241 80 77 50; S. Rigo, France, (1) 69 41 72 66
(See related article in Vol XIII No. 7.)

16-18
Science and Technology Seminar Santa Clara, CA
M. Calcaterra, Catalytica Studies Division, 430 Ferguson Dr., Building 3, Mountain View, CA 94043; (415) 960-3000

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; fax (408) 749-1230

18-19
U.S.-Sweden Joint Symposium on Materials Futures: Strategies and Opportunities
Philadelphia, PA
U.S.-Sweden Joint Symposium, R.B. Pipes, College of Engineering, Univ. of Delaware, Newark, DE 19716; (302) 451-8302
(See related article in this issue.)

19-21
Second Conference on Crystal Growth of the American Association of Crystal Growth Eastern Region
Atlantic City, NJ
E. Porbansky, Allied-Signal Inc., P.O. Box 1021R, CTC-1, Morristown, NJ 07960; (201) 455-6879

21-23
Hydrogenated Amorphous Silicon Rd., 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

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

30-31
APS Division of Plasma Physics Meeting
Hollywood, FL
American Physical Society, 335 East 45th St., New York, NY 10017; (212) 682-7341

31-4
Florida Advanced Materials Chemistry Conference
St. Augustine, FL
R.S. Drago, Dept. of Chemistry, Univ. of Florida, Gainesville, FL 32611

31-4
Optics '88: OSA Annual Meeting
Santa Clara, CA
Optical Society of America, 1816 Jefferson Pl. NW, Washington, DC 20036; (202) 223-8130

NOVEMBER 1988

7-8
SIMOX Workshop
Guildford, United Kingdom
B. Dore, Dept. of Electronic & Electrical Engineering, University of Surrey, Guildford, GU2 5XH, United Kingdom; (0483) 571281, ext. 2270
(See related article in Vol. XIII No. 7.)

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

7-10
E-MRS 1988 E-MRS Fall Meeting
Strasbourg, France
P. Siffert, Centre de Recherches Nucléaire, Laboratoire PHASE, F-67037 Strasbourg Cedex, France; 88 28 65 43

9-11
Perspectives on the New Superconductivity
Boston, MA
D. Berger, Nature Pub. Co., 65 Bleecker St., New York, NY 10012; (212) 477-9600

14-18
116th ASA Meeting/Second Joint Meeting with Acoustical Society of Japan
Honolulu, HI
Acoustical Society of America, 335 East 45th St., New York, NY 10017; (212) 661-9404

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

28-31
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

JANUARY 1989

31-3
International Conference on Sintering of Multiphase Metal and Ceramic Systems
New Delhi, India
G.S. Upadhyaya, Convener ICSMC '89, Dept. of Metallurgical Engineering, Indian Institute of Technology, Kanpur-208 016, India; 240066, ext. 933

FEBRUARY 1989

7-9
PCSI-16: Physics and Chemistry of Semiconductor Interfaces
Bozeman, MT
G.J. Lapeyre, Physics Dept., Montana State University, Bozeman, MT 59717; (406) 994-6153

27-2
TMS Annual Meeting
Las Vegas, NV
The Metallurgical Society, 420 Commonwealth Dr., Warrendale, PA 15086; (412) 776-9050

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. LaHeuorte, Lab. de la Metiere Condensee, Univ. de 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

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.)

CALENDAR

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

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

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

APRIL 1989

3-6

Fifth Conference on Low Energy Ion Beams
Guildford, United Kingdom
Meetings Office, The Institute of Physics, 47 Belgrave Sq., London SW1X 8QX, United Kingdom; 01-235-6111

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

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
San Diego, CA
A. Wagner, Materials Research Society, 9800 McKnight Rd., Suite 327, Pittsburgh, PA 15237; (412) 367-3003; fax (412) 367-4373

MAY 1989

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

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

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

CLASSIFIED

Positions Available

STAFF SCIENTIST III CERAMICS RESEARCH

As a group leader, perform original research with MCS D Investigators on the processing and mechanical testing of ceramics, ceramic composites and ceramic/metal laminates. Specific tasks will include experimental testing at low and very high temperatures (<1500°C) of such materials for creep crack growth and cyclic fatigue crack growth measurement, full characterization of microstructures and fracture surfaces using optical, scanning electron and Normaski microscopy and using Raman spectroscopy and x-ray diffraction. Must hot press and sinter ceramic materials, and prepare ceramic/metal interfaces for study, and run a mechanical testing laboratory, involving maintenance of servohydraulic testing machines, vacuum and high temperature furnaces, and development of sophisticated test methods for the evaluation of creep and fatigue in ceramics. Instruction and supervision of students using these facilities and assisting them in the interpretation of data.

Prefer PhD in Materials Science with specialization in ceramic materials. Knowledge of chemistry beneficial. Extensive experience in conducting original research in the fabrication, experimental testing and fracture of ceramic materials, preferably both monolithic and composite, with proven evidence of experimental expertise. Evidence of ability to publish original research in archival technical journals.

Recruitment closes September 15, 1988. To apply, submit a resume to: Employment Office, Job A/4777, Lawrence Berkeley Laboratory, Bldg. 90-1012, #1 Cyclotron Road, Berkeley, CA 94720.

An Equal Opportunity Employer M/F/H.

RESEARCH FACULTY AND POSTDOCTORAL POSITIONS Vanderbilt University

The Materials Research and Applications Center at Vanderbilt University invites applications for Research Faculty/Postdoctoral positions starting approximately September 1988. The successful candidates will be expected to take strong roles in developing several NASA-approved materials science, fluid dynamics, and nonlinear acoustic experiments. Some of these experiments are expected to be flown on NASA Space Shuttle Missions. Desirable candidates are those with PhDs in any of the following: Condensed-Matter, Physical Acoustics, Materials Science, Fluid Mechanics, or Mechanical Engineering. This is a new center with opportunities for self-motivated individuals to perform pioneering work. Salary and ranking will be commensurate with qualifications and experience. Please send resume and three letters of recommendation to:

Prof. Taylor Wang
Dept. of Mechanical & Materials Engineering
Vanderbilt University
Olin Hall, Room 101
Nashville, TN 37235