

MRS**MATERIALS
RESEARCH
SOCIETY****1·9·8·9
SPRING MEETING****CALL
FOR
PAPERS****April 24-29, 1989
San Diego, CA**

Papers are being solicited for 16 topical symposia scheduled for the 1989 Spring Meeting of the Materials Research Society to be held April 24-29 at the Town and Country Hotel, San Diego, California. The symposia will share a common goal of discussing new materials developments, new characterization methods, or new process technologies. Each symposium will provide a forum for exchanging ideas at the forefront of research by experts in the field. Topics will be treated at a sophisticated level, in an interdisciplinary way, so all possible physical, chemical, and engineering insights can be considered.

To submit a paper, you can contact one of the symposium organizers listed here or consult the Call for Papers booklet for complete details about topics and submission of papers. The Call for Papers booklet is mailed to all MRS members and can also be obtained from the Materials Research Society, 9800 McKnight Road, Suite 327, Pittsburgh, PA 15237; telephone (412) 367-3003; fax (412) 367-4373.

**Abstract
Deadline:
October 17, 1988****Symposium A
III-V Heterostructures for
Electronic/Photonic Devices**

Organizers: Charles W. Tu, University of California, San Diego (619) 534-2221; V.D."Chuck" Mattera, AT&T Bell Laboratories (201) 582-4070; Arthur C. Gossard, University of California, Santa Barbara (805) 961-2686

**Symposium B
Rapid Thermal Annealing/Chemical Vapor
Deposition and Integrated Processing**

Organizers: David Hodul, Varian Research Center (415)

424-6588; Jeff Gelpy, Peak Systems (617)-231-1898; Thomas E. Seidel, Seidel Associates (619) 436-7212 or (805) 961-4970; Martin L. Green, AT&T Bell Laboratories (201) 582-5310

**Symposium C
Ion Beam Processing of Advanced Electronic
Materials**

Organizers: Nathan Cheung, University of California (415) 642-1615; Alan Marwick, IBM T.J. Watson Research Center (914) 945-2232; Jim Roberto, Oak Ridge National Laboratory (615) 576-0227

Symposium D—Chemistry and Defects in Semiconductor Heterostructures

Organizers: Mituo Kawabe, University of Tsukuba 29-8-53-5066, fax 29-8-53-5208; Timothy D. Sands, Bell Communications Research (201) 758-2945, fax (201) 758-8017; Eicke R. Weber, University of California (415) 642-0205; R. Stanley Williams, University of California (213) 825-8818, fax (213) 206-8460

Symposium E—Amorphous Silicon Technology - 1989

Organizers: A. Madan, Glasstech Solar, Inc. (303) 425-6600; P.C. Taylor, University of Utah (801) 581-4484; P.G. LeComber, University of Dundee 44-382-23181; M.J. Thompson, Xerox PARC (415) 494-4561; Y. Hamakawa, Osaka University

Symposium F—Materials for Magneto-Optic Data Storage

Organizers: Takao Suzuki, IBM Almaden Research Center (408) 927-2099; Clifford Robinson, IBM Almaden Research Center (408) 927-2151; Charles Falco, University of Arizona (602) 621-6771

Symposium G—Growth, Characterization and Properties of Ultrathin Magnetic Films and Multilayers

Organizers: Berry T. Jonker, Naval Research Laboratory (202) 767-3603; Joseph P. Heremans, GM Research Laboratories (313) 986-0136; Ernesto E. Marinero, IBM Almaden Research Center (408) 927-2016

Symposium H—Optical Materials: Processing and Science

Organizers: Carmen Ortiz, IBM Almaden Research Center (408) 927-2481; David B. Poker, Oak Ridge National Laboratory (615) 576-8827

Symposium I—Space Compatible Materials and Processing

Organizers: M. McCargo, Lockheed Palo Alto Research Laboratory (415) 424-2382; R.A. Banks, NASA-Lewis Research Center (216) 433-2308; A. Ignatiev, University of Houston; G.R. Cunningham, Palo Alto Research Laboratory

Symposium J—Interfaces Between Polymers, Metals, and Ceramics

Organizers: Benjamin M. Dekoven, Dow Chemical Company (517) 636-0221, fax (517) 636-2885; Andrew J. Gellman, University of Illinois (217) 244-5810; Robert Rosenberg, IBM T.J. Watson Research Center (914) 945-1888, fax (914) 945-2141

Symposium K—Electronic Packaging Materials Science

Organizers: Kenneth A. Jackson, AT&T Bell Laboratories (201) 582-4188; Ralph Jaccodine, Lehigh University (215) 861-4409; Robert C. Sundahl, Intel Corporation (602) 961-5679

Symposium L—Processing Science of Advanced Ceramics

Organizers: Ilhan Aksay, University of Washington (206) 543-2625; Don Ulrich, Air Force Office of Scientific Research (202) 767-4963; Gary L. McVay, Battelle, Pacific Northwest Labs (509) 375-3762

Symposium M—High Temperature Superconductors: Relationships Between Properties, Structure and Solid-State Chemistry

Organizers: Jerry B. Torrance, IBM Almaden Research Center (408) 927-2434; Jean Marie Tarascon, Bell Communications Research (201) 758-2930; Mark Thompson, Raychem Corporation (415) 361-4738; Koichi Kitazawa, University of Tokyo 313-812-2111, ext. 7202; Jim Jorgensen, Argonne National Laboratory (312) 972-5513

Symposium O—Insulator and Semiconductor Clusters

Organizers: Louis Brus, AT&T Bell Laboratories (201) 582-3119; George McLendon, University of Rochester (716) 275-5751

Symposium P—Materials Problems of the Infrastructure: How New Materials Technology Can Solve Them

Organizers: Brian Frost, Argonne National Laboratory (312) 972-4929; Douglas McKenzie, University of California, Los Angeles (213) 825-3539; Damien Kulash, Strategic Highway Research Program (202) 334-3774

Symposium X—Frontiers of Materials Research

Organizer: Robert A. Huggins, Stanford University (415) 723-4110

For general information on the technical program, contact any of the 1989 MRS Spring Meeting chairs:

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