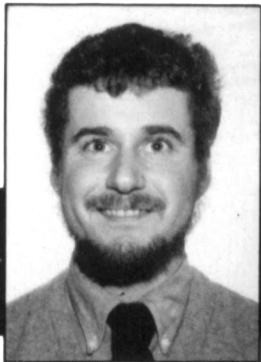
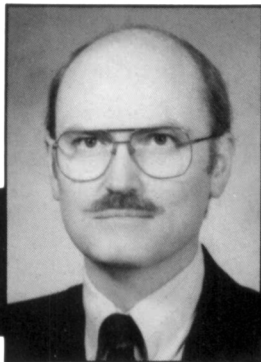


Hull, McCarthy, and Spaepen Are 1990 MRS Fall Meeting Chairs

Program Will Cover Traditional and New Areas



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Penn State's Materials Research Laboratory. McCarthy has active research programs in analytical x-ray diffraction, application of solid state chemistry and geochemistry to the utilization or disposal of inorganic wastes from coal combustion and gasification, hydraulic reactions in silicates and aluminosilicates, and mineralogy and geochemistry in soil environments. His Penn State research included studies of catalysts and crystalline ceramic nuclear waste forms. McCarthy is a fellow of AAAS, a member of the American Chemical, Crystallographic and Ceramic Societies, the Mineralogical Society of America, and MRS, and is currently serving as past-chairman of JCPDS-International Centre for Diffraction Data. He is also program chairman of the Pacific International Congress on X-Ray Analytical Methods to be held in 1991.

Frans Spaepen is currently Gordon McKay Professor of Applied Physics at Harvard University. He received an undergraduate degree in metallurgy from the University of Leuven, Belgium, in 1971 and a PhD in applied physics from Harvard in 1975. He has been at Harvard first as an IBM Research Fellow until 1977 and from then on as a faculty member. His research interests include phase transformations, atomic transport, and mechanical properties of amorphous metals and semiconductors; the production, diffraction, stability, and mechanical properties of artificial multilayers; the structure of amorphous-crystalline interfaces and grain boundaries and the structure and transformations of quasi-periodic crystals.

He is a member of MRS, AIME, ASM, APS, and the Bohmische Physikalische Gesellschaft. He was chairman of the 1988 Gordon Conference on Physical Metallurgy, and is on the Advisory Editorial Board of *Journal of Non-Crystalline Solids*. He co-chaired MRS symposia on Multilayers (1987) and Phase Transformations in Condensed Systems (1985) and was recently elected to serve as an MRS councillor.

MRS

Robert Hull, Gregory McCarthy, and Frans Spaepen will serve as meeting chairs for the 1990 MRS Fall Meeting to be held November 26 - December 1, 1990 in Boston Massachusetts. "At this meeting," said Robert Hull, "we intend both to cover those topics which represent the traditional strengths of the Materials Research Society—including semiconductor epitaxy, ion implantation, ceramic superconductors, clusters, polymers, and cements—and to include symposia on areas which are newer to MRS, such as emerging analysis techniques and microlithography."

Greg McCarthy and Frans Spaepen, who bring to this meeting considerable experience in symposium organization, expressed their commitment to maintaining and enhancing the quality of MRS meetings. McCarthy's goal is to see that the full range of materials is represented. Spaepen pledged that this meeting will "foster interdisciplinarity and high scientific standards, pay attention to all types of materials, and provide a forum for both 'regulars' and newcomers."

Topics and organizers have already been selected for 24 technical symposia, and the call for papers will be published in March 1990. The deadline for one copy of each abstract to be received at MRS headquarters is July 1, 1990. A full complement of short

courses will also be offered as well as an equipment exhibit and job placement center.

Robert Hull is a member of the technical staff in the physics research division of AT&T Bell Laboratories at Murray Hill, New Jersey. His research interests include nucleation and growth phenomena in semiconductor heteroepitaxy; experimental and theoretical studies of strain relaxation kinetics in lattice-mismatched epitaxy via misfit dislocation nucleation, propagation and interaction; atomic-scale structure of interfaces, precipitation and growth processes in metal silicide and germanide structures formed by ion implantation; and quantification of high resolution transmission electron microscopy images. He received his PhD in materials science from Oxford University, England in 1983 and worked at Bell Laboratories on a postdoctoral position and at Hewlett Packard Research Laboratories before joining Bell Laboratories full-time in 1987. Hull, an MRS member, has previously co-chaired MRS symposia on the Initial Stages of Epitaxial Growth (1987) and Heteroepitaxy on Silicon (1988).

Gregory J. McCarthy is professor of chemistry and geology at North Dakota State University in Fargo and was previously a research associate professor at

**Boston, Massachusetts
November 26–
December 1, 1990**

1-9-9-0

FALL MEETING PROGRAM

**Abstract deadline:
July 1, 1990**

■ SYMPOSIUM A / SURFACE CHEMISTRY AND BEAM-SOLID INTERACTIONS

Harry A. Atwater, Caltech, (818) 356-2197
Frances A. Houle, IBM Almaden Research Center, (408) 927-2420
Doug Lowndes, Oak Ridge National Laboratory, (615) 574-6306

■ SYMPOSIUM B / ELECTRONIC, OPTICAL AND DEVICE PROPERTIES OF LAYERED STRUCTURES

John Hayes, Bellcore, (201) 758-2851
Mark Hybertsen, AT&T Bell Laboratories, (201) 582-3628
Eicke Weber, University of California, (415) 642-0205, FAX (415) 486-5933

■ SYMPOSIUM C / MICROSTRUCTURAL EVOLUTION OF SURFACES AND THIN FILMS

Carl V. Thompson, Massachusetts Institute of Technology, (617) 253-7652
Jeffrey Y. Tsao, Sandia National Laboratories, (505) 844-7092
David Srolovitz, University of Michigan, (313) 936-1740

■ SYMPOSIUM D / ELECTRONIC PACKAGING MATERIALS SCIENCE

Edwin D. Lillie, MCC, (512) 250-2715
Kenneth A. Jackson, AT&T Bell Laboratories, (201) 582-4188
Ralph J. Jaccodine, Lehigh University, (215) 758-4409

■ SYMPOSIUM E / CHEMICAL PERSPECTIVES OF MICROELECTRONIC MATERIALS

Mihal E. Gross, AT&T Bell Laboratories, (201) 582-4504
Lawrence H. Dubois, AT&T Bell Laboratories, (201) 582-7920
Leonard V. Interrante, Rensselaer Polytechnic Institute, (518) 276-2644
Klaus F. Jensen, Massachusetts Institute of Technology, (617) 253-4589

■ SYMPOSIUM F / PHASE TRANSFORMATIONS

Michael O. Thompson, Cornell University, (607) 255-4714

■ SYMPOSIUM G / CLUSTERS & CLUSTER-ASSEMBLED MATERIALS

Robert S. Averback, University of Illinois-Urbana, (217) 333-4302
David L. Nelson, Office of Naval Research, (202) 696-4410
J. Bernholc, North Carolina State University, (919) 737-3126

■ SYMPOSIUM H / HIGH-TEMPERATURE SUPERCONDUCTORS

Kenneth Lay, GE Corporate Research and Development Center, (518) 387-7495
Julia M. Phillips, AT&T Bell Laboratories, (201) 582-4428
Allen Goldman, University of Minnesota, (612) 624-6525
Anthony C. Schaffhauser, Oak Ridge National Laboratory, (615) 574-4826

■ SYMPOSIUM I / MECHANICAL PROPERTIES OF POROUS MATERIALS

Lorna J. Gibson, Massachusetts Institute of Technology, (617) 253-7107
Karl Sieradzki, The Johns Hopkins University, (301) 338-5409
David Green, Pennsylvania State University, (814) 863-2011

■ SYMPOSIUM J / ADVANCED DIFFRACTION METHODS

Philip I. Cohen, University of Minnesota, (612) 625-5517
David Eaglesham, AT&T Bell Laboratories, (201) 582-3768
Ting C. Huang, IBM Almaden Research Center, (408) 927-2375

■ SYMPOSIUM K / DEFECTS IN MATERIALS

Paul D. Bristowe, Massachusetts Institute of Technology, (617) 253-3326
Ernst Epperson, Argonne National Laboratory, (312) 972-4971
J.E. Griffith, AT&T Bell Laboratories, (201) 582-5222
Z. Lilliental-Weber, University of California-Berkeley, (415) 486-6276

■ SYMPOSIUM L / SOLID STATE IONICS

Gholamabbas Nazri, GM Research Laboratory, (313) 986-0737
Duward F. Shriver, Northwestern University, (312) 491-5655
M. Balkanski, Universite Pierre et M. Curie, France
Robert A. Huggins, Stanford University, (415) 723-4110; FAX (415) 725-4034

■ SYMPOSIUM M / KINETICS IN SMALL CONFINING SYSTEMS

J.M. Drake, Exxon Research and Engineering, (201) 730-2848
R. Kopelman, University of Michigan, (313) 764-7541
J. Klafter, Tel Aviv University, Israel, 972-3-5450254, FAX 972-3-541-3752

■ SYMPOSIUM N / COVALENT CERAMICS

Gary Fischman, Alfred University, (607) 871-2449
Richard M. Spriggs, Alfred University, (607) 871-2486

■ SYMPOSIUM O / FIBER-REINFORCED CEMENTITIOUS MATERIALS

Sidney Mindess, University of British Columbia, (604) 228-6413
Jan P. Skalny, W.R. Grace & Company, (301) 531-4597

■ SYMPOSIUM P / SCIENTIFIC BASIS FOR NUCLEAR WASTE MANAGEMENT XIV

T. Abrajano, Jr., Argonne National Laboratory, (312) 972-4261
Lawrence H. Johnson, Whiteshell Nuclear Research Establishment (204) 753-2311

■ SYMPOSIUM Q / HIGH-TEMPERATURE ORDERED INTERMETALLIC ALLOYS

James O. Stiegler, Oak Ridge National Laboratory, (615) 574-4065
David P. Pope, University of Pennsylvania, (215) 898-7246
James C. Williams, GE Aircraft Engines, (513) 243-4531

■ SYMPOSIUM R / NOVEL STRUCTURAL AND ELECTRONIC PROPERTIES OF POLYMERS

Joon Row, University of Cincinnati, (513) 556-3117
John M. Torkelson, Northwestern University, (312) 491-7449
John Emerson, AT&T Bell Laboratories, (609) 639-2571

■ SYMPOSIUM S / SYNTHESIS AND PROPERTIES OF NEW CATALYSTS: UTILIZATION OF NOVEL MATERIALS COMPONENTS AND SYNTHETIC TECHNIQUES

Marc J. Ledoux, Universite Louis Pasteur Strasbourg I, France
Edward W. Corcoran, Exxon Research and Engineering, (201) 730-2465
Jack R. Knox, Knox Consulting Company, (312) 357-3707

■ SYMPOSIUM T / LONG-WAVELENGTH SEMICONDUCTOR MATERIALS

Avishay Katz, AT&T Bell Laboratories, (201) 582-2261
Robert M. Biefeld, Sandia National Laboratories, (505) 844-1556
R.J. Malik, AT&T Bell Laboratories, (201) 582-6580
Robert L. Gunshor, Purdue University, (317) 494-3509

■ SYMPOSIUM U / ADVANCED TOMOGRAPHIC IMAGING METHODS FOR THE STUDY OF MATERIALS

J.L. Ackerman, Massachusetts General Hospital, (617) 726-3083
W. Ellingson, Argonne National Laboratory, (312) 972-5068

■ SYMPOSIUM V / BIOMATERIALS (Chairs to be announced)

■ SYMPOSIUM W / DYNAMICS OF DISORDERED SYSTEMS AND FRACTALS

James P. Stokes, Exxon Research and Engineering, (201) 730-2426
Mark O. Robbins, Johns Hopkins University, (301) 338-7204
T.A. Witten, University of Chicago, (312) 702-0947; FAX (312) 702-5863

■ SYMPOSIUM X / FRONTIERS OF MATERIALS SCIENCE

Rustum Roy, Pennsylvania State University, (814) 865-3421

■ SYMPOSIUM Y / QUANTUM STRUCTURES & MICROLITHOGRAPHY

T.P. Smith III, IBM T.J. Watson Research Center, (914) 945-2809
D. Kerns, IBM T.J. Watson Research Center, (914) 945-1147
S.D. Berger, AT&T Bell Laboratories, (201) 582-2484
H. Craighead, Cornell University, (607) 255-2329

MEETING CHAIRS

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Gregory McCarthy, North Dakota State University (701) 237-7193
Frans Spaepen, Harvard University (617) 495-3760