

Mayo Leads MRS Board of Directors in 2003



Merrilea J. Mayo



Howard E. Katz



Alan J. Hurd



Alex King

Merrilea J. Mayo (The National Academies) automatically assumes the presidency of the Materials Research Society (MRS) for 2003, after serving as vice president/president-elect in 2002. She succeeds **Alex King** from Purdue University, who now serves MRS as immediate past president. **Howard E. Katz** (Lucent Technologies) has been elected vice president/president-elect. **Alan J. Hurd** (Los Alamos National Laboratories) continues as secretary.

During the 2002 MRS Fall Meeting in December, director **Linda Horton** (Oak Ridge National Laboratory) was appointed as Treasurer by the Board of Directors and she was appointed as chair of the Operational Oversight Committee by Mayo. Mayo also announced the appointments of chairs of the other governing committees: **Paul S. Peercy** (University of Wisconsin), Planning Committee and **Mihal E. Gross** (RAND/AAAS Science & Technology Policy Fellow), External Relations/Volunteer Involvement Committee.

The newly elected members to the MRS Board of Directors are **Zhenan Bao**, Bell Laboratories, Lucent Technologies; **Ulrich M. Goesele**, Max Planck Institute; **Yuri Suzuki**, University of California—Berkeley; and **Jerry Tersoff**, IBM T.J. Watson Research Center. They will serve three-year terms beginning January 1, 2003, and join the following current members of the board: **Eduard Arzt**, Max Planck Institute; **Bruce M. Clemens**, Stanford University; **Tomás Díaz de la Rubia**, Lawrence Livermore National Laboratory; **Jerry Floro**, Sandia National Laboratories; **Peter F. Green**, University of Texas—Austin; **Akihisa Inoue**, Institute for Materials Research; **Cynthia A. Volkert**, Max Planck Institute; **Julia R. Weertman**, Northwestern University; and Gross, Horton, and Peercy.

Merrilea J. Mayo President

Merrilea J. Mayo is the director of the Government–University–Industry Research Roundtable (GUIRR), of the National Academies and guided by the National Research Council (NRC). She moved to the National Academies from The Pennsylvania State University, where she was an associate professor in the Materials Science and Engineering Department, focusing on nanocrystalline ceramics. She received her PhD degree in materials science and engineering from Stanford University in 1988.

Mayo received fellowships from the Japan Society for the Promotion of Science (1993) and the Exxon Foundation (1982–1984), as well as an NSF Presidential Young Investigator Award (1991–1996). She served on the NRC's Advisory Panel on the National Institute of Standards and Technology (NIST) and on the NRC's Advisory Committee on Army After Next (AAN) Logistics. She was the founding director of the Alliance for Science and Technology Research in America (ASTRA). Mayo has over 70 authored and co-authored publications.

Within MRS, Mayo completed her service as vice president/president-elect to step into the position of president. Before that, she served as treasurer. Mayo also served on the External Affairs and Public Affairs Committees since 1994 and previously served on the Graduate Student Award Subcommittee, the Program Planning Committee, and the Long-Range Planning Committee; she has also been a councillor, a meeting chair, and a symposium organizer. She was part of the MRS Headquarters Building Task Force and was involved in developing the Society's materials-related interactive displays, now known as Materials MicroWorld, support-

ed by a grant from the National Science Foundation (NSF). She was selected as the Materials Research Society/Optical Society of America Congressional Science and Engineering Fellow for 1998–1999 and served her fellowship working on research and development issues in the office of Senator Joseph Lieberman.

Howard E. Katz Vice President/President-Elect

Howard E. Katz is Distinguished Member of Technical Staff at Bell Laboratories/Lucent Technologies. He received his PhD degree in chemistry from the University of California, Los Angeles. His scientific interests include electrical phenomena in polymers and solids, synthesis and fabrication, information storage, and sensing. His work on organic semiconductors was recognized with an R&D 100 Award for a demonstration plastic electrophoretic display, and a team he co-founded received the American Chemical Society Award for Team Innovation. He is a member of the Defense Sciences Research Council, holds two dozen U.S. patents, and has over 130 publications.

Within MRS, Katz has been a director, and served on the Operational Oversight Committee, the Workshop Subcommittee, and the Audit Committee. He was a symposium organizer at the 1992 MRS Fall Meeting, and co-chair of the 1998 MRS Fall Meeting where he introduced the now ongoing topics of combinatorial materials science, materials science of microelectromechanical systems, and polymer pharmaceuticals.

Alan J. Hurd Secretary

Alan J. Hurd is the director of the Manuel Lujan Jr. Neutron Scattering Center of LANSCE at Los Alamos National

Laboratories. He was previously a research manager at Sandia National Laboratories in Albuquerque. His research interests center around complex fluids. He received his PhD degree in physics in 1981 from the University of Colorado.

Hurd served on advisory groups for Los Alamos National Laboratory, the National Research Council, the National Renewable Energy Laboratory, and the University of New Mexico. He has received three materials sciences research awards from the Department of Energy's Office of Basic Energy Sciences.

Hurd has served MRS as treasurer, councillor, chair of the Membership Committee, chair of four task forces, and co-chair of the 1994 MRS Spring Meeting. He was the founding chair of the Public Outreach Subcommittee and is the founding chair of the Materials MicroWorld

Oversight Committee. For his efforts in securing NSF funding for Materials MicroWorld, Hurd was honored with the 1999 MRS Woody Award.

Alex King
Immediate Past President

Alex King is a professor and head of the School of Materials Engineering at Purdue University. He was previously a professor in the Department of Materials Science and Engineering at the State University of New York—Stony Brook, where he also served as vice provost for graduate studies. His research program focuses on interfacial structures and behavior, with extended interests in other areas including thin films, semiconductors, polymers, and materials processing. King received his BMet degree from the University of Sheffield and his doctoral

degree, in 1979, from Oxford University. Following a brief period as a research fellow at Oxford, King joined the Massachusetts Institute of Technology as a postdoctoral associate.

At MRS, King served on the Program Committee and its Meetings Quality Subcommittee. He was a symposium organizer at the 1993 MRS Fall Meeting and co-chair of the 1997 MRS Spring Meeting, where he implemented the Meeting Chairs' Poster Prize. He served on the MRS Council from 1998 to 2000, including two consecutive tenures as Council liaison to the Executive Committee. He has been a regular contributor to "Postterminaries," a column in *MRS Bulletin*. As vice president/president-elect in 2001, he became president in 2002, and will now serve on the board as immediate past president for 2003. MRS



JMR

because
important
work
deserves
to be
published
quickly

All print subscriptions to the 2003 edition of *JMR* include **FREE** online Web access—full text of all *JMR* articles from January 1996 to the current issue.

Subscriptions also include:

- **ONLINE ARCHIVAL PAPERS**—Articles are posted electronically and are available approximately 4-6 weeks before the print issue arrives in the mail. So subscribers enjoy both the convenience of early online access to leading-edge materials research and the continued benefit of a high-quality print publication.
- **ONLINE RAPID COMMUNICATIONS**—*JMR* routinely publishes rapid communications, brief reports of unusual urgency, significance and interest to the materials research and development community. Upon their acceptance, preprints are immediately available through the Web to *JMR* subscribers.
- **CUMULATIVE INDEX ISSUE**—Your *JMR* subscription also includes a comprehensive index of all articles contained in Volume 18 (January-December 2003) listed by author. This is published in the December 2003 issue.

Subscribe online at
www.mrs.org/publications/jmr/

or contact:

MRS Materials Research Society
506 Keystone Drive
Warrendale, PA 15086-7573
USA

Tel 724-779-3003
Fax 724-779-8313
info@mrs.org
www.mrs.org

JMR
2003 Subscription Rates
ISSN: 0884-2914 • Coden: JMREEE

MRS Members
\$115 U.S.
\$155 Non-U.S. (surface delivery)
\$215 Non-U.S. (air freight)

Nonmembers
\$835 U.S.
\$875 Non-U.S. (surface delivery)
\$935 Non-U.S. (air freight)

MRS Bulletin Volume Organizers Guide Technical Theme Topics for 2004



Paul S. Drzaic

The *MRS Bulletin* volume organizers for 2004, who will guide the development of theme topics, are Paul S. Drzaic (Alien Technology Corporation), Tony E. Haynes (Oak Ridge National Laboratory), and Helena Van Swygenhoven (Paul Scherrer Institute). Instructions on submitting proposals for *MRS Bulletin* theme topics can be obtained on the Web via URL www.mrs.org/publications/bulletin/propose_theme.html.

Paul S. Drzaic is vice president for advanced development programs at Alien Technology Corporation, a startup company developing rf identification tags employing manufacturing technology incorporating self-assembly. He has served as director of technology for E Ink Corporation, and principal scientist for Raychem Corporation. Drzaic has been active in both the materials research community and the international display research community. He is a recipient of the 2002 Team Innovation award from the American Chemical Society, as well as *R&D Magazine's* 2001 "Best of the Best" Editor's choice and R&D 100 awards. He is author of the 1995 book *Liquid Crystal Dispersions* (World Scientific, River Edge, New Jersey), over 30 technical publications, 17 U.S. patents, and has presented numerous invited lectures at technical conferences and universities. He organized the inaugural Symposium for Flexible



Tony E. Haynes

Displays and Electronics at the 2002 MRS Spring Meeting. He is serving or has served on the technical advisory boards of three different National Science Foundation (NSF) Materials Research Science and Engineering Centers and an NSF Science and Technology Center. Drzaic has held several leadership positions in the international display community, having organized several major conferences for the Society for Information Display (SID), and presently serving on the SID Board of Directors. Drzaic received a PhD degree in chemistry from Stanford University.

Tony E. Haynes is a senior research staff member in the Solid State Division at Oak Ridge National Laboratory. His research interests include ion implantation and ion-beam modification of surfaces, especially the properties of implantation-related point and extended defects in semiconductors and the synthesis of novel materials by ion implantation. He received his PhD degree in physics from the University of North Carolina in 1987. He has published more than 80 journal articles and 40 conference papers and holds four patents. Haynes received an MRS Graduate Student Award in 1987 and has organized three MRS symposia, including most recently the Spring 2001 symposium on wafer-bonding and thinning techniques for materials integration. He was guest editor of the June 2000 issue of *MRS*



Helena Van Swygenhoven

Bulletin on the theme of defects and diffusion in silicon technology.

Helena Van Swygenhoven is a research staff member of the Paul Scherrer Institute, Switzerland. She studied physics in the Free University of Brussels, was research assistant in the University Center of Limburg, and received her PhD degree in physics from the Central Jury in Belgium on radiation damage in materials (1983). She then returned to the Free University of Brussels as a postdoctoral fellow. After a professional break for motherhood (1989–1991), she joined the Fusion Technology Division at the Paul Scherrer Institute with a Marie-Heim Vögtlin stipendium from the Swiss National Science Foundation. She then moved to the Neutron Spallation Source Department, starting a research group in the field of nanostructured materials (1993). Van Swygenhoven is a member of the International Committee of Nanostructured Materials, and is co-representing Switzerland in the European COST action-523. She has been co-organizing several international workshops and symposia to promote a synergy between modeling, theory, and experiment, including one held as a symposium at the 2000 MRS Fall Meeting. She was a co-author of an article published in the February 1999 issue of *MRS Bulletin* on the theme of mechanical behavior of nanostructured materials. MRS

Advertisers in This Issue

	Page No.		Page No.
America Scientific Publishers	60	Logitech Materials Tech and Eng	74
EDAX, Inc.	Inside back cover	MTS Systems Corp.	8
High Voltage Engineering	Inside front cover	Society of Vacuum Coaters	59
Huntington Mechanical Labs., Inc.	Outside back cover	Carl Zeiss Microimaging, Inc.	5, 7
JEOL USA Inc.	64, 65		

For free information about the products and services offered in this issue, check www.mrs.org/publications/bulletin/advertisers/2003/jan/.