Green Leads MRS Board of Directors in 2006

Peter F. Green

Alan J. Hurd

Cynthia A. Volkert

David J. Eaglesham

On January 1, **Peter F. Green** (University of Michigan) assumed the presidency of the Materials Research Society (MRS) for 2006, after serving as vice president/president-elect in 2005. He succeeded **David J. Eaglesham** (Applied Materials), who now serves MRS as immediate past president.

In last fall's annual election of officers and directors, **Alan J. Hurd** (Los Alamos National Laboratory) was elected vice president/president-elect. **Cynthia A. Volkert** (Forschungszentrum Karlsruhe) continues her term as Secretary.

During the 2005 MRS Fall Meeting in December, director **Julia W.P. Hsu** (Sandia National Laboratories) was appointed treasurer by the Board of Directors, and she was also appointed chair of the Operational Oversight Committee by Green. Green announced the chairs of the other governing committees: **Kristi S. Anseth** (University of Colorado), Planning Committee; and **David J. Srolovitz** (Princeton University), External Relations/Volunteer Involvement Committee.

The newly elected members to the MRS Board of Directors are **Joanna Aizenberg**, Lucent Technologies, Bell Labs; **Shefford P. Baker**, Cornell University; **Thomas P. Russell**, University of Massachusetts–Amherst; **Kazumi Wada**, University of Tokyo; and **Ellen D. Williams**, University of Maryland. They will serve three-year terms and join continuing directors **Kristi S. Anseth**; **Robert S. Averback**, University of Illinois at Urbana-Champaign; **Marie-Isabelle Baraton**, University of Limoges; **Eugene A. Fitzgerald**, Massachusetts Institute of Technology; **Horst W. Hahn**, Forschungszentrum Karlsruhe/University of Technology Darmstadt; **Julia W.P. Hsu**; **Darrell G. Schlom**, Pennsylvania State University; **David J. Srolovitz**; and **Bethanie J.H. Stadler**, University of Minnesota.

Peter F. Green
President

Peter F. Green is chair of the Department of Materials Science and Engineering at the University of Michigan. He also holds appointments in Applied Physics and in Macromolecular Science and Engineering. He received his PhD degree in materials science and engineering from Cornell University in 1985. He was employed at Sandia National Laboratories from 1985 to 1996; during 1991–1996 he was manager of the Glass and Ceramics research department. Prior to his appointment at the University of Michigan he was a member of the Chemical Engineering faculty at the University of Texas at Austin. His research interests broadly encompass problems associated with the structure and dynamics of oxide glass melts and polymeric melts, wetting, and interfacial phenomena in soft materials. He is a fellow of the American Physical Society and the American Ceramic Society. In 2002, he received an NSF Creativity Award for his work on polymer thin films.

Green has been an MRS member since 1984, when he received an MRS Graduate Student Award. He has organized MRS symposia, served as a Meeting Chair of the 1997 MRS Fall Meeting, and was guest editor for the November 1998 issue of *MRS Bulletin* on the theme "New Functionality in Glass." He has participated on various MRS task forces and recently concluded a three-year term on the Board of Directors, where he served much of his tenure on the Long-Range Planning Committee, followed by his term as MRS vice president/president-elect. He is a member of the National Academies Board on Physics and Astronomy and is currently vice chair of the Solid State Sciences Committee. He is a member of the Council of Gordon Research Conferences and he just concluded a four-year term as a Divisional Associate Editor of *Physical Review Letters*. Green is author of the book *Kinetics Transport and Structure in Hard and Soft Materials* (Taylor & Francis, CRC Press, 2005).

Alan J. Hurd
Vice President/President-Elect

Alan J. Hurd is director of the Lujan Neutron Scattering Center at Los Alamos National Laboratory, where he has also been deputy director of the Institute of Complex Adaptive Materials since 2004. Hurd was also the interim associate director of the Center for Integrated Nanotechnologies in 2004. Prior to joining Los Alamos in 2001, he managed materials research areas at Sandia National Laboratories in Albuquerque. Hurd received his PhD degree in physics from the University of Colorado in 1981. After his postdoc at Brandeis University, he taught physics there in 1984 then joined Sandia. Hurd's research interests include neutron scattering, complex fluids, and sol-gel ceramics, for which he has three awards from DOE's Basic Energy Sciences for outstanding research. He has served on advisory boards for the Department of Energy, Basic Energy Sciences, the National Nuclear Security Agency, the National Research Council, the National Science Foundation, and various universities.

For MRS, Hurd has served as treasurer, secretary, a councilor, a board member, Membership Committee chair, Public Outreach Subcommittee chair, chair of four task forces, and co-chair of the 1994 Spring Meeting. He received the 1999 MRS Woody Award and an MRS Special Recognition Award in 2004 for his activities involving the Materials MicroWorld, now known as Strange Matter, a traveling science exhibition which promotes public awareness and appreciation of materials science.

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Cynthia A. Volkert
Secretary

Cynthia A. Volkert will continue her work as MRS secretary through 2006.

Volkert is a group leader at the Forschungszentrum Karlsruhe in Germany, where she performs studies in microstructure and mechanical properties of small metal structures. She received her PhD degree from Harvard University in 1988. She spent 10 years as a staff member at Bell Laboratories in New Jersey and four years at the Max Planck Institute for Metals Research in Stuttgart before she moved to Forschungszentrum Karlsruhe. Volkert has published many scientific papers in the field of thin films and holds several patents. She has consulted regularly with Bell Laboratories as well as with several European-based companies.

In addition to her involvement in several MRS committees, Volkert has been an organizer for three symposia and was a Meeting Chair for the 2001 MRS Spring Meeting. In 2004, she served as treasurer of MRS as well as chair of the Operational Oversight Committee for the MRS Board of Directors.

David J. Eaglesham
Immediate Past President

David J. Eaglesham is the managing director of the New Business and New Products Group for Applied Materials, which develops new advanced materials technologies and implements them in manufacturing. Prior to joining Applied Materials, Eaglesham was chief technologist of the Chemistry and Materials Science Directorate at Lawrence Livermore National Laboratory, where he developed and coordinated nanoscience and materials technology applications for national security. He applied electronics and photonics technology to chemical, biological, and radiochemical sensors and detectors. Before joining the laboratory, Eaglesham worked for Agere Systems and was previously vice president of Electronic Devices Research at Bell Laboratories.

Within MRS, Eaglesham co-chaired the 1997 MRS Spring Meeting, where he helped implement the Meeting Chairs' Poster Prize. He served on the MRS Council from 1998 to 2001, chaired the Audit Committee, and served on the editorial board of *MRS Bulletin*. Eaglesham received the MRS Outstanding Young Investigator Award in 1994. He earned his BSc degree in chemical physics and his PhD degree in physics at the University of Bristol, England, and served on the faculty at the University of Liverpool. MRS

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Chalamala, Terminello, and Van Swygenhoven to Chair 2006 MRS Fall Meeting

Babu Chalamala

Louis J. Terminello

Helena Van Swygenhoven

The 2006 Materials Research Society Fall Meeting in Boston, November 27–December 1, will be chaired by Babu Chalamala (Indocel Technologies), Louis J. Terminello (Lawrence Livermore National Laboratory), and Helena Van Swygenhoven (Paul Scherrer Institute). Updated information on the meeting is available at Web site www.mrs.org.

Babu Chalamala is the founder and CEO of Indocel Technologies, a high volume manufacturer of portable energy products based in Bangalore, India. Most recently, he was a principal research scientist at MCNC in Research Triangle Park, N.C. for two years. Before that, Chalamala was a principal staff scientist at Motorola in Tempe, Arizona for six years. He started his industrial research career at Texas Instruments in Dallas in the Flat Display Products Department. Chalamala's expertise lies in electronic materials, flat-panel display technology, and large-area electronics. He has a BTech degree in electronics and communications engineering from Sri Venkateswara University and a PhD degree in physics from the University of North Texas. Chalamala holds eight U.S. patents and has published 50 papers in refereed journals. Chalamala served as a guest editor of the January 2003 issue of *MRS Bulletin* and has chaired three symposia.

Louis J. Terminello is the materials program leader for defense and nuclear technology at Lawrence Livermore National Laboratory (LLNL). Before that, he was the division leader for the Materials Science and Technology Division in the Chemistry and Materials Science Directorate at LLNL. From 1996 through 2002, Terminello was an adjunct associate professor in the Department of Applied Science at the University of California, Davis. He received his PhD degree from the University of California, Berkeley, and earned his BS degree from the Massachusetts Institute of Technology. His research interests include atomic, electronic, and bonding structure determination of nanostructured materials using synchrotron radiation, photoemission, absorption, and fluorescence. Terminello has ~150 publications and has served on numerous scientific advisory and review committees. He served as the guest editor of the September 2001 issue of *MRS Bulletin*, and he has organized several national and international conferences, including four MRS symposia.

Helena Van Swygenhoven is an adjunct professor at the Ecole Polytechnique Federale de Lausanne (EPFL) and a senior research staff member and group leader at the Paul Scherrer Institute, Switzerland. She studied physics at the Free University of Brussels, was a research assistant at the University Center of Limburg, received her PhD degree in physics from the Central Jury in Belgium on radiation damage in materials (1983), and was subsequently a postdoctoral fellow at the Free University of Brussels. After taking a planned break from the workforce to raise her family (1989–1991), Van Swygenhoven joined the Fusion Technology Division at the Paul Scherrer Institute with a Marie-Heim Vögtlin grant from the Swiss National Science Foundation. She moved to the Neutron Spallation Source department and founded a research group in the field of nanostructured materials (1993). This group divides its activities between experiment and computer modeling. Van Swygenhoven's current areas of interest include size effects in mechanical behavior arising from microstructural and dimensional confinement, using synchrotron and neutron radiation and large-scale atomistic simulations. She is a member of the International Committee of Nanostructured Materials, is active in European programs, and teaches in the doctoral school of the EPFL. She has co-organized several international conferences, workshops, and MRS symposia to promote a synergy between modeling, theory, and experiment and served as a volume organizer for *MRS Bulletin* in 2004. MRS

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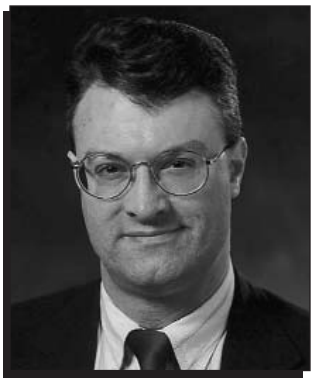
MRS Bulletin Volume Organizers Guide Technical Theme Topics for 2007


Thomas F. Kuech


Thomas E. Mallouk


Julie A. Nucci


Richard A. Register

The *MRS Bulletin* 2007 volume organizers, who will guide the development of theme topics for the 2007 volume year, are Thomas F. Kuech (University of Wisconsin—Madison), Thomas E. Mallouk (Pennsylvania State University), Julie A. Nucci (Max Planck Institute for Metals Research), and Richard A. Register (Princeton University). Requests for instructions on submitting proposals for *MRS Bulletin* theme topics can be e-mailed to Bulletin@mrs.org.

Thomas F. Kuech is a professor at the University of Wisconsin–Madison. Kuech earned a BS degree in physics and an MS degree in materials science at Marquette University. He earned an MS and a PhD degree in applied physics at the California Institute of Technology. Kuech's chief interests are semiconductor processing, solid-state materials properties, electronic materials, and solid-state materials synthesis. He received the University of Wisconsin–Madison Romnes Faculty Fellowship and he is a fellow of the American Physical Society. Kuech also received the American Association for Crystal Growth's Young Authors Award in 1987. Kuech is affiliated with the Materials Science Program and the Wisconsin Center for Applied Microelectronics.

Thomas E. Mallouk is DuPont Professor of Materials Chemistry and Physics at the Pennsylvania State University. He earned his ScB degree at Brown University and his PhD degree in 1983 at the University of California, Berkeley. Mallouk's past and current research has focused on the application of inorganic materials to different problems in chemistry and physics. Mallouk is best known for his work on inorganic self-assembly and on the chemistry of porous, lamellar, and nanoscale materials. He received the ACS/Exxon Solid-State Chemistry Award in 1986. He was named Presidential Young Investigator in 1987, held the Alfred P. Sloan Foundation Fellowship in 1998, and received the Dreyfus Teacher–Scholar Award in 1989. Mallouk has been director of the Penn State Center for Nanoscale Science since 2004. He has been Associate Editor of the *Journal of the American Chemical Society* since 1996, and he has served on the editorial advisory boards of *Nano Letters*, *Chemistry of Materials*, and *Accounts of Chemical Research*, and has edited four books on chemical sensing and solid-state chemistry. Since 2000, he has been on the editorial advisory boards for the *Journal of Solid State Chemistry* and *Advanced Functional Materials*.

Julie A. Nucci is a research scientist at the Max Planck Institute for Metals Research in Stuttgart, Germany, where she has worked since 2000. During this time, she spent two and a half years as the European Union liaison officer for the Max Planck Institutes for Metals and Solid-State Research. She received a BS degree in materials engineering from Rensselaer Polytechnic Institute and an MS degree in applied physics from Harvard University. Earlier in her career, she gained industrial experience working as a process engineer for National Semiconductor Corp. and as a reliability engineer for Digital Equipment Corp. Later, she obtained a PhD degree in materials science and engineering from Cornell University, where she spent additional time working as a postdoctoral associate and lecturer. She also worked as a guest scientist in the Materials Reliability Division of the National Institute of Standards and Technology. Nucci's research activities focus on thin metal films and interconnects, including investigations of stress-induced voiding in copper metallization, electromigration in Al interconnects, and thin-film mechanical behavior. Nucci has contributed research news articles to *MRS Bulletin*, served as the publication's contact for information regarding European affairs, and is currently a member of the MRS Public Outreach Committee.

Richard A. Register is a professor of chemical engineering and director of the Princeton Center for Complex Materials at Princeton University, where he has been on the faculty since 1990. He received bachelor's degrees in chemistry (1983) and chemical engineering (1984) from the Massachusetts Institute of Technology, followed by a master's degree in chemical engineering practice (1985) from MIT and a PhD degree in chemical engineering (1989) from the University of Wisconsin–Madison, working with Stuart Cooper. Among his research interests are polymer chemistry and physics, including the morphology, properties, and dynamics of multiphase polymeric materials; electroluminescent and semiconducting polymers; novel nanopatterning and nanofabrication technologies; and applications of small-angle scattering. He has a particular interest in the design of self-assembling materials such as block copolymers, where a desired mesoscale structure can be built into the molecule during synthesis to yield control over material structure and properties. He is a fellow of the American Physical Society (APS) and the 2002 recipient of the Stine Award from the Materials Engineering and Sciences Division (MESD) of the American Institute of Chemical Engineers (AIChE). He has also served as chair of the Division of Polymer Physics of APS; as technical program chair for the Division of Polymeric Materials Science and Engineering of the American Chemical Society; and as a director of AIChE's MESD. MRS

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