

Baraton, Garfunkel, Martin, and Parkin to Chair 2002 MRS Fall Meeting



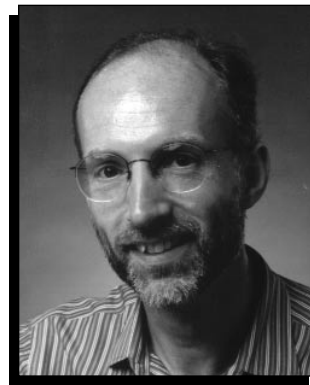
Marie-Isabelle Baraton



Eric L. Garfunkel



David C. Martin



Stuart S.P. Parkin

The 2002 Materials Research Society Fall Meeting in Boston December 2–6 will be chaired by Marie-Isabelle Baraton (University of Limoges), Eric L. Garfunkel (Rutgers University), David C. Martin (University of Michigan), and Stuart S.P. Parkin (IBM Almaden Research Center). For a list of symposia topics, access URL www.mrs.org/meetings/fall2002/.

Marie-Isabelle Baraton is a senior scientist in the Department of Ceramics (SPCTS, UMR CNRS) at the University of Limoges, France. She received her PhD degree in physics in 1971 and her D.S. degree from the University of Limoges in 1979. In 1986 and 1987, she obtained a NATO grant to conduct fundamental research on infrared surface characterization of ultrafine powders and on Langmuir–Blodgett films in the Department of Chemistry at the University of Ottawa and in the Lash Miller Laboratories at the University of Toronto, Canada. Baraton's current research interests include the physical chemistry of nanomaterial surfaces (metal oxides and nonoxide ceramics such as SiC, AlN, GaN, and Si₃N₄), as well as theoretical (*ab initio* calculations) and experimental studies of chemical reactions at gas–nanomaterial interfaces. Baraton has co-authored over 100 refereed papers, communications, and book chapters. She is currently the leader of a European consortium comprising industries and universities funded by the European Commission, working on novel gas sensors based on nanomaterials for air-quality monitoring. In her endeavor to promote scientific exchanges on an international basis, Baraton acted as director for NATO countries in the organization of a NATO Advanced Study Institute in Kiev, Ukraine, in 2000. Baraton is a member of

the Materials Research Society, the European Materials Research Society, and the American Chemical Society. She organized a symposium on nanomaterials in 1997 for MRS and served as an *MRS Bulletin* volume organizer for the 1999 volume.

Eric L. Garfunkel is a professor at Rutgers University, where he focuses his research on surface science, thin-film growth, microelectronics, nanoelectronics, molecular electronics, and interface structure. He received his BS degree in 1978 from Haverford College and his PhD degree in 1983 from the University of California—Berkeley. He was an NSF–CNRS Fellow, Orsay (Paris), in 1983, and he has held visiting professorships at Fudan University (Shanghai), the BESSY synchrotron facility (Berlin), the Ruhr University Bochum, l'Université Paris 7, and the Istituto degli Studio (Florence).

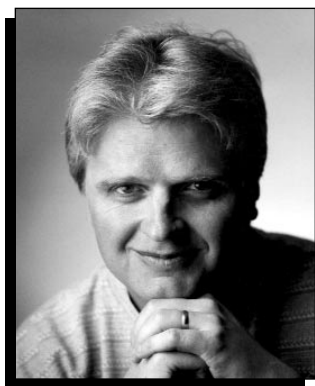
David C. Martin is the director of the Macromolecular Science and Engineering Center and associate professor of materials science and engineering and biomedical engineering at the University of Michigan. His research interests involve defects in ordered organic and polymer materials, micromechanisms of deformation in fibers and thin films, and the use of polymers as coatings for microfabricated biomedical devices. Martin spent 1997 and 1998 as a Humboldt Fellow at the Max Planck Institute for Polymer Research in Mainz, Germany, with Gerhard Wegner. He has been a visiting scientist at the Air Force Phillips Laboratory and at DuPont Central Research and Development. His PhD degree in polymer science and engineering was obtained in 1989 from the University of Massachusetts at Amherst with Edwin L. Thomas, now at MIT.

Martin obtained an MS degree in macromolecular science and engineering in 1985 and a BS degree in engineering in 1983 from the University of Michigan. Martin was a guest editor of the September 1995 issue of *MRS Bulletin*, and he served as a volume organizer for the 2000 volume of the magazine.

Stuart S.P. Parkin works in the IBM Research Division at the Almaden Research Center, currently focusing on the study of magnetic tunnel junctions and the development of an advanced nonvolatile magnetic random-access memory based on magnetic tunnel junction storage cells. He is also a consultant professor at Stanford University. He received his BA degree in 1977 from the University of Cambridge, was elected a research fellow (1979) at Trinity College, Cambridge, and earned his PhD degree (1980) at the Cavendish Laboratory, Cambridge. Before joining IBM in 1982, Parkin was awarded a Royal Society European Exchange Fellowship, which he spent as a postdoctoral fellow at the University of Paris, Orsay. In 1997, Parkin was awarded the Hewlett-Packard EuroPhysics Prize for outstanding achievement in solid-state physics, and he was elected a member of the IBM Academy of Technology and named a Master Inventor by the IBM Corporation the same year. In 1999, he was appointed an IBM Fellow, IBM's highest technical honor. In 2001, he was named *R&D Magazine's* first Innovator of the Year. Parkin's other honors include the MRS Outstanding Young Investigator Award (1991), the Charles Vernon Boys Prize from the Institute of Physics in London (1992), and Fellow of the American Physical Society. MRS

See 2002 MRS Spring Meeting Preview on page 142!

MRS Bulletin Volume Organizers Guide Technical Theme Topics for 2003



Larry Clevenger



Athene M. Donald



Julia R. Weertman

The *MRS Bulletin* volume organizers for 2003 are Larry Clevenger (IBM Microelectronics), Athene M. Donald (Cambridge University), and Julia R. Weertman (Northwestern University). 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.

Larry Clevenger is a research staff member at the IBM T.J. Watson Research Center, currently on assignment with IBM Microelectronics. He joined IBM Research in 1989 after receiving his PhD degree in electronic materials from the Massachusetts Institute of Technology. He earned his BS degree (1984) in materials engineering from the University of California—Los Angeles. Clevenger's previous research interests focused on thin-film materials related to microelectronics applications and the analysis of thin-film reactions using *in situ*/high-speed measurement techniques. His recent research interests include the introduction of advanced materials into vertical transistors and directing the incorporation of Cu and low-*k* dielectrics into IBM's sub-0.1- μm complementary metal oxide semiconductor technology.

Clevenger has over 100 publications, 11 issued patents, and 41 pending patent applications and received IBM's highest award for technical achievement in 2001. He has organized symposia for the 2000 and 2001 MRS Spring Meetings.

Athene M. Donald is a professor of experimental physics in the Cavendish Laboratory (Department of Physics) at the University of Cambridge, where she has been on the staff since 1985. She was appointed professor in 1998 and was elected fellow of the Royal Society in 1999. She received her BA and PhD degrees from the University of Cambridge. In addition, she spent four years as a postdoctoral researcher in the Department of Materials Science and Engineering at Cornell University, where she began her work on polymer research. Donald is active in a broad range of soft condensed-matter physics, including polymers and colloids. She is also involved with the development of environmental scanning electron microscopy, a technique that is particularly suitable for the wet and insulating systems of interest to her. Donald co-chaired a symposium at the 1999 MRS Fall Meeting,

and she served as guest editor of the December 2000 issue of *MRS Bulletin* on the Materials Science of Food. She is also on the editorial board for a number of journals and is editor-in-chief for *European Physical Journal E*.

Julia R. Weertman is the Walter P. Murphy Professor Emerita of Materials Science and Engineering at Northwestern University. She obtained her BS, MS, and PhD degrees in physics from Carnegie Mellon University. Her research currently focuses on the structure and properties of nanocrystalline metals. Weertman has been a member of the National Research Council's National Materials Advisory Board since 1999. She is a member of the National Academy of Engineering and a fellow of ASM International; the Minerals, Metals & Materials Society; and the American Academy of Arts and Sciences. Weertman was co-author of an article published in the February 1999 issue of *MRS Bulletin* for a theme on mechanical behavior of nanostructured materials. She chairs the MRS Awards Subcommittee for the Outstanding Young Investigator Award and co-organized a symposium at the 2000 MRS Fall Meeting. MRS

Ad Deadlines • 2002 MRS Bulletin

April

March 1, 2002

Theme: Combinatorial Materials Science

Guest Editors: Eric J. Amis (National Institute of Standards and Technology), Xiao-Dong Xiang (Intematix Corporation), and Ji-Cheng Zhao (GE Corporate Research & Development)

May

April 1, 2002

Theme: Optical Fiber Sensors

Guest Editors: Gerard Franklyn Fernando (Royal Military College of Science, United Kingdom), David J. Webb (Aston University, Birmingham) and Pierre Ferdinand (CEA Leti, France)

Bonus Distribution: 8th International Conference on Electronic Materials, China (C-MRS)

June

May 1, 2002

Theme: Electroactive Organics

Guest Editors: Zhenan Bao (Lucent Technologies), Vladimir Bulovic (Massachusetts Institute of Technology), and Andrew B. Holmes (Melville Laboratory for Polymer Synthesis, University of Cambridge, United Kingdom)