



**Materials
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Press Release

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FOR IMMEDIATE RELEASE

Materials Research Society Addresses Energy Challenges in *MRS Bulletin* Expanded Issue—Harnessing Materials for Energy

Free online access, energy blog and Energy Forum complement issue to involve the global community in solving the world's energy challenges

PITTSBURGH PA: *MRS Bulletin* announces a special expanded issue for April 2008—**Harnessing Materials for Energy**—focusing on the most important materials research challenges that must be addressed to move toward secure, affordable and environmentally sustainable energy to meet the world's accelerating energy needs. The issue follows the full energy chain including production, storage, distribution, use and efficiency. The articles are designed to present an objective and global view of the energy challenges within each energy sector and the promising transformational materials research directions for meeting these challenges as far into the future as is scientifically feasible to consider (targeting 10-, 25- and 50-year outlooks).

The issue can be accessed in full-text pdf format at www.mrs.org/bulletin_energy. An associated blog at www.materialsforenergy.org seeks to build on this base and open a continuing dialogue among researchers, students, policy makers, the science-interested public and other stakeholders.

By spanning the full chain of energy technologies, including environmental and economic issues, and bringing together top researchers from around the world, this issue aims to inspire to action the materials and broader research community and the science-interested public to work together toward innovating a sustainable energy future built on a sound scientific base. Moving beyond why and what, this issue examines how materials research can contribute to new energy technologies, energy transformations, and improvements in efficiency to support evolving energy demands.

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Harnessing Materials for Energy

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Harnessing Materials for Energy, its expanded distribution, and free availability on the MRS Web site was funded in part by the Department of Energy, Office of Basic Sciences, with additional funding provided by Agilent Technologies; Applied Materials, Inc.; Center for Study of Science, Technology and Policy; First Solar, Inc.; General Motors Corporation, and HelioVolt Corporation.

MRS Bulletin, now in its 33rd year, is one of the most wide recognized and highly respected publications in advanced materials research. Published monthly, it offers technical overview articles and focuses on news and trends in materials research, education and industry—all from an interdisciplinary perspective. For more information on *MRS Bulletin*, visit the MRS Web site at www.mrs.org/bulletin.

THE MRS ENERGY FORUM

An Energy Forum to complement the issue was held during the 2008 MRS Spring Meeting in San Francisco on Monday, March 24, 2008. The forum provided an overview of select materials science topics in the area of environmentally sustainable energy. Coverage included an Energy Overview by George M. Whitesides (Harvard University) and sessions on Biofuels and Biomass by Chris Somerville (Energy Biosciences Institute; University of California—Berkeley), Catalysis by Daniel G. Nocera (MIT), and Solar Technology by Martin A. Green (University of New South Wales). For more information on the Energy Forum, or to access the presentations, visit www.mrs.org/energyforum. The Energy Forum was sponsored in part by BP Research & Technology.

ABOUT THE MATERIALS RESEARCH SOCIETY

The Materials Research Society is a not-for-profit scientific association founded in 1973 to promote interdisciplinary goal-oriented research on materials of technological importance. Membership in the Society consists of almost 15,000 scientists from industry, government, academia and research laboratories in the United States and nearly 70 other countries. For the most up-to-date information, visit the MRS Web site at www.mrs.org.

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