



MATERIALS RESEARCH SOCIETY

Advancing materials. Improving the quality of life.



Orlando Auciello
2013 MRS President

MRS MISSION

The Materials Research Society (MRS) is an organization of materials researchers from academia, industry, and government that promotes communication for the advancement of interdisciplinary materials research to improve the quality of life.

MRS VISION

The Materials Research Society will build a dynamic, interactive, global community of materials researchers to advance technical excellence by providing a framework in which the materials disciplines can convene, collaborate, integrate, and advocate.

MRS recognizes that there are many organizations that are part of the fabric of the global materials community.

Engaging and serving the worldwide materials community

Materials scientists find themselves spending a great deal of time in airports and airplanes traveling to many countries to meet their peers in order to learn, share, and collaborate for the purpose of advancing the field of materials science. Materials research is truly a global enterprise, spanning political boundaries, and benefiting from access to high-level research wherever it may originate.

From its inception, the Materials Research Society has aspired to serve all materials researchers, regardless of discipline, geography, or background. The First International Conference on Characterization of Materials in 1966 was the predecessor to today's MRS Spring and Fall Meetings (and today's MRS), convening a global community to advance interdisciplinary materials research. In 1973, a few individuals with great vision created a new society to serve professionals working in the field of materials research. Since then, our Society has thrived because of the simple core values of promoting *technical excellence*, being *visionary and dynamic*, catalyzing *interdisciplinary collaborations* and, above all, being *broadly inclusive and egalitarian*. One of MRS's current Strategic Objectives is to "provide and enable forums for the worldwide exchange of technical information related to leading edge, interdisciplinary materials research."

Approximately 45% of MRS members, more than 40% of MRS meeting attendees, more than 50% of authors in MRS publications, and more than 50% of MRS website visitors hail from outside the United States. This international character of the Society is also reflected in MRS Leadership. The MRS Board of Directors consists of individuals with diverse backgrounds and perspectives reflecting many parts of the globe, including Africa, Asia, Europe, the Middle East, and North and South America. The renewal of the President every year and the Board every three years, based on election by members, promotes participation from all over the world, bringing new ideas and expertise to advance our vibrant Society. MRS views all of its members equally and endeavors to serve all of them well, regardless of where they live and work. For example, last year, we began "virtual" capture of activities at MRS Meetings in order to reach researchers who may not be able to travel to meetings, and we plan to provide online interactive networking opportunities. As part of this effort, the University Chapter program has been expanded worldwide in response to requests from universities all over the world.

MRS recognizes that there are many organizations that are part of the fabric of the global materials community. Collaborations are critical to advance our mission and the field of materials research. For example, we work with other scientific and technological societies to advocate for sustained funding for science and for bringing the excitement of materials science to the public in general. As part of our outreach effort to the public, the *Strange Matter* museum exhibition, which currently is a tri-lingual (English, French, and Spanish) exhibit, has toured extensively in many locations, including the United States, Mexico, Canada, and Puerto Rico. The next generation of this exhibition is planned to travel outside North America, and it is anticipated that interactions with international materials-focused organizations will pave the way to move this project forward.

Worldwide collaborations are also important to engage and support the growing materials research community. For this reason, MRS hosted an Open Forum on Activities and Opportunities in Africa at the 2012 MRS Fall Meeting to catalyze dialogue between organizations supporting materials science in Africa, and has endorsed and supported recent Africa MRS conferences. The Sociedad Mexicana de Materiales (SMM) and MRS currently offer joint symposia at SMM's annual International Materials Research Congress, and we plan to continue this relationship as well as discuss additional activities. MRS joined with the Japan Society for Applied Physics (JSAP) to provide joint symposia at the 2012 MRS Spring Meeting and for the 2013 JSAP Fall Meeting. We continue to enjoy our longstanding collaborations with European MRS (E-MRS), including the third installment of our bilateral energy conference in 2014. MRS is working with organizations in many countries to develop joint recognition of university chapters, as previously mentioned, and we continue to highlight news from international conferences in *The Meeting Scene* and in *MRS Bulletin*, including recent coverage of conferences hosted by Sociedade Brasileira de Pesquisa em Materiais (SBPMat) and MRS Singapore.

In all of these activities, MRS aspires to be a good partner to advance materials research globally. MRS has always welcomed, and continues to welcome healthy, productive relationships with organizations around the world. As with all of our activities, the MRS Board, which provides the governance structure of our Society, continues to evaluate which programs and collaborations help us to best serve the materials community. We value our existing collaborations and we hope to build upon them. We welcome your ideas on how to better engage the worldwide materials (or scientific) community, creating new programs and forging new interactions with like-minded organizations to advance materials science. I encourage you to contact us at feedback@mrs.org.

By engaging in these international interactions, we will keep advancing the MRS Mission, which is "advancing materials to improve the quality of life."



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MRS STRATEGIC OBJECTIVES

Expand as the Materials Gateway for global communication and knowledge dissemination

A key function of the Materials Research Society (MRS) is to provide and enable forums for the global exchange of technical information related to leading edge, interdisciplinary materials research. Through its publications, website, and meetings, MRS seeks to serve the broadest possible community.

Summary statement: Communication of technical results and ideas is critical to healthy and productive research. An MRS objective is to provide and further develop these communications.

Support the Sustainability of the Field of Materials Research

Materials research provides real tangible benefits to society. However, like all of science, materials research thrives only with the support and participation of a society that provides a supportive environment and facilitates opportunities for talented people inspired by a career in materials research. The Materials Research Society (MRS) will effectively communicate the importance of science in society to the general public and promote science and technology to the next generation.

Summary statement: Science requires support from society. An MRS objective is to ensure that the broad public and their governments understand the benefits of materials research.

Proactively Foster Materials Solutions to improve the quality of life

The scientific community must be engaged in solving the critical problems facing society. Materials research will provide the key elements for new technologies to address global needs. As such, the Materials Research Society (MRS) remains committed to its mission for the advancement of interdisciplinary materials research and education to improve the quality of life. MRS will strive to promote public awareness, increase the engagement of the scientific community and catalyze technological advancements.

Summary statement: There is a need for technical solutions to global societal challenges. An MRS objective is to promote materials research and education to improve the quality of life.

Enhance the MRS Community through expanding membership, diversity and worldwide networking

The Materials Research Society (MRS) has become the world's premier society for the promotion of leading edge, high impact and interdisciplinary materials research. MRS could provide services to a much larger fraction of the worldwide materials research community by identifying and reaching out to groups that are not well represented within the MRS. Thus, MRS could find ways to bring benefits and services to materials researchers, regardless of discipline, throughout the world.

Summary statement: There remain many and diverse researchers who could enrich the current MRS community. An MRS objective is to tailor its products to serve the broader future membership.