

2019 MRS YEAR IN REVIEW

PRESIDENT'S POSTSCRIPT— BUILDING OUR COMMUNITY

The Materials Research Society engages members across generations to advance their careers and promote materials research and innovation.

“ During my first MRS Meeting in the fall of 1985, MRS Von Hippel Award winner R.W. Balluffi (MIT) presented experimental findings that challenged an assumption related to my thesis. In an act that was unquestionably selfless and honorable, Professor Balluffi ceded time to allow my advisor, S.L. Sass (Cornell), to present data supporting my young assumptions. Such willingness to share time and information across generations and with civility is a hallmark of the scientific community, and especially members of the Materials Research Society. Our meetings are a safe place to exchange information, because we respect people and data from all disciplines and career stages.

I am privileged to have served the past year as President of MRS—a Society I find to be energetic and that delivers opportunities to be intellectually recharged. This sense of selfless, enthusiastic engagement is shared and appreciated by our members.

I especially enjoy and appreciate the passion and excitement among our youngest members, as they present their talks and posters. They are catalysts for innovative engagement opportunities—PowerPoint™ Karaoke is one great example—that MRS provides and fosters. In the era of the digital echo, it is very easy to become distracted. The challenge to all of us is to enjoy the good experiences our career choices afford.”

Michael R. Fitzsimmons
2019 MRS President

14,092 Members

88 Countries Represented
48% non-US

1100+ Volunteers

10,450 Attendees
2019 MRS Spring & Fall Meetings
68 countries

913,171 Full-Text Views
Across MRS Journals
50 Countries

Over **\$124M** iMatSci
Innovator Funding

62 Countries Represented by
MRS OnDemand
Webinar Attendees

36,000+ Materials360
Newsletter
Global Reach

131 MRS University
Chapters
Worldwide

1776 Materials
Voice Letters
to U.S. Congress
and Administration

THANK YOU!

2019 MRS OFFICERS

HIGHLIGHTS

MRS is committed to engaging our members and serving the needs of our community—from students to seasoned professionals. To those ends, we recently introduced “hot topic” areas—artificial intelligence (AI), quantum materials, emerging biomaterials, sustainability, and responsive and adaptive materials—to forge new materials communities and guide content development at the frontiers of materials research. Over the past year, these hot topic areas have proved highly popular, with strong webinar attendance, heavily downloaded journal articles, packed symposium sessions, and more. In fact, in a relatively short time, they have permeated all Society activities.

To further awareness of these new topics and their value to our members and materials community, MRS held its inaugural Frontiers Reception during the 2019 MRS Spring Meeting. We brought together those interested in any of the hot-topic areas—whether expert or new to the field—in a casual, fun, interactive way. During the energetic brainstorming session we cultivated relationships and shared ideas for building new materials communities. The inaugural Reception was so well received we repeated it at the 2019 MRS Fall Meeting in Boston, where it drew over 400 attendees!

2019 also saw a continued focus on professional development and career services. Salary negotiation, resume writing, interviewing, and networking skills are just a few of our popular offerings. The iMatSci Innovation Showcase has become an increasingly valuable platform for those with entrepreneurial interests. And the *Journal of Materials (JMR)* annual “Early Career Scholars in Materials Science” issue provided a unique opportunity for researchers to be highlighted and promoted early in their careers.

This is just a small sampling of the community-driven programs MRS volunteers and staff delivered over the past year. To learn more about how you can participate in MRS and help shape the future of our vibrant Society, please visit mrs.org.



PRESIDENT
Michael R. Fitzsimmons
Oak Ridge National Laboratory
and The University of Tennessee



PAST PRESIDENT
Sean J. Hearne
Oak Ridge National Laboratory



VICE PRESIDENT
Matt Copel
IBM T.J. Watson Research Center



SECRETARY
Eric A. Stach
University of Pennsylvania



TREASURER
David J. Parrillo
Dow



EXECUTIVE DIRECTOR
Todd M. Osman
Materials Research Society

2019 BOARD OF DIRECTORS

Shenda Baker
Synedgen Inc.

Griselda Bonilla
IBM T.J. Watson Research Center

Li-Chyong Chen
National Taiwan University

Dawnielle Farrar-Gaines
Johns Hopkins University

Claudia Gutiérrez-Wing
Instituto Nacional de Investigaciones Nucleares (ININ)

Sarah Heilshorn
Stanford University

Frances A. Houle
Lawrence Berkeley National Laboratory

Mônica Jung de Andrade
The University of Texas at Dallas

Sergei V. Kalinin
Oak Ridge National Laboratory

Kisuk Kang
Seoul National University

Lincoln J. Lauhon
Northwestern University

Paul C. McIntyre
Stanford University

Linda S. Schadler
The University of Vermont

Christopher A. Schuh
Massachusetts Institute of Technology

Rachel A. Segalman
University of California, Santa Barbara

Molly M. Stevens
Imperial College London

Yusheng Zhao
Southern University of Science and Technology

Ehrenfried Zschech
Fraunhofer Institute for Ceramic Technologies and Systems

2019 OPERATING COMMITTEE CHAIRS

ACADEMIC AFFAIRS
Sanjay Mathur
University of Cologne

AWARDS
Judith L. MacManus-Driscoll
University of Cambridge

Suveen N. Mathaudhu
University of California, Riverside

GOVERNMENT AFFAIRS
David P. Norton
University of Florida

MEETINGS
Terry Aselage
Sandia National Laboratories

MEMBER ENGAGEMENT
Sossina M. Haile
Northwestern University

PUBLICATIONS
Shefford P. Baker
Cornell University

PUBLIC OUTREACH
Elizabeth Kupp
The Pennsylvania State University