The Materials Research Society (MRS), a not-for-profit scientific association founded in 1973, promotes interdisciplinary goal-oriented basic research on materials of technological importance. Membership in the Society includes almost 10,000 scientists, engineers, and research managers from industrial, government, and university research laboratories in the United States and close to 70 countries. The Society’s interdisciplinary approach differs from that of single-discipline professional societies because it promotes information exchange across the many technical fields touching materials development. MRS sponsors two major international annual meetings encompassing approximately 90 topical symposia, and also sponsors numerous single-topic scientific meetings. The Society recognizes professional and technical excellence and fosters technical interaction in local geographic regions through Sections and University Chapters.

MRS participates in the international arena of materials research through the International Union of Materials Research Societies (IUMRS). MRS is a member of ASTRA and is an affiliate of the American Institute of Physics.

MRS publishes symposium proceedings, MRS Bulletin, Journal of Materials Research, and other publications related to current research activities. MRS Bulletin (ISSN: 0883-7694, print; ISSN 1938-1425, online) is published monthly by the Materials Research Society, 506 Keystone Drive, Warrendale, PA 15086-7573. Copyright ©2009, Materials Research Society. Permission required to reproduce content. Periodical postage paid at Warrendale, PA, and at additional mailing offices. POSTMASTER: Send address changes to MRS Bulletin in care of the Materials Research Society, at the address listed; tel. 724-779-3000; fax 724-779-8313. Printed in the U.S.A. Membership in MRS is $135 annually for regular members, $30 for students. Due is an allocation of $29 ($17 for students) to a subscription to MRS Bulletin. Individual member subscriptions are for personal use only. Non-member subscription rates are $275 for one calendar year (12 issues) within the U.S.A. and $335 elsewhere. Single copies may be purchased for $50 each. Requests from subscribers for missing journal issues will be honored without charge only if received within six months of the issue’s actual date of publication; otherwise, the issue may be purchased at the single-copy price.

MRS Bulletin is included in Current Contents®/Engineering, Computing, and Technology; Current Contents®/Physical, Chemical, and Earth Sciences, the Science® online database, Research Alert®, Science Citation Index®, and the Materials Science Citation Index®. Back volumes of MRS Bulletin are available on microfiche through University Microfilms Inc., 300 North Zeeb Road, Ann Arbor, MI 48106, USA.

Send Letters to the Editor to:
MRS Bulletin
Materials Research Society
506 Keystone Drive
Warrendale, PA 15086-7573 USA
Fax 724-779-8313
Bulletin@mrs.org

Letters must include your name, affiliation, and full contact information.

---

**EDITORIAL BOARD**

P.S. Drzaic, Chair  
Drzaic Consulting Services  
Morgan Hill, CA

V.S. Arunachalam  
Center for Study of Science, Technology & Policy  
Bangalore, India

M.-I. Baraton  
University of Limoges  
Limoges, France

R.C. Cammarata  
Johns Hopkins University  
Baltimore, MD

J.A. Nucci  
Cornell University  
Ithaca, NY

L. Fornaro  
University of Uruguay  
Montevideo, Uruguay

H.-U. Habemeier  
Max Planck Institute  
Stuttgart, Germany

S.C. Moss  
Aerospace Corp.  
Los Angeles, CA

J.A. Nucci  
Cornell University  
Ithaca, NY

K. Shull  
Northwestern University  
Evanston, IL

P.H. Hernández Tejeda, Benemérita Universidad Autónoma de Puebla

---

**VOLUME ORGANIZERS**

2009  
A. Misra  
Los Alamos National Laboratory  

R. O’Hare  
Colorado School of Mines  

S. Stemmer  
University of California, Santa Barbara

K. Shull  
Northwestern University  
Evanston, IL

L.J. Olafsen  
Baylor University  
Waco, TX

D.N. Seidman  
Northwestern University  
Evanston, IL

J.R. Weertman  
Northwestern University  
Evanston, IL

E. Wenua  
Washington, DC

S.M. Yalisove  
University of Michigan  
Ann Arbor, MI

2010  
T.J. Balk  
University of Kentucky  

D. Cahen  
Weizmann Institute of Science  

S. Streifer  
Argonne National Laboratory

K.-S. Choi  
Purdue University  

R.T. Collins  
Colorado School of Mines  

S.E. Shaheen  
University of Denver

G. M. Crean  
University of Minnesota  

C.A. Volkert  
University of Göttingen

G. Redmond  
University College Dublin

---

**MRS OFFICERS**

President  
S.P. Baker  
Cornell University

Secretary  
B.J.H. Stadler  
University of Minnesota

Executive Director  
T. Osman  
Materials Research Society

Vice President and President-Elect  
D.S. Ginley  
National Renewable Energy Laboratory

Immediate Past President  
C.A. Volkert  
University of Göttingen

Immediate Past President  
G.M. Crean  
Atomic Energy Commission Grenoble, France

General Secretary  
R.P.H. Chang  
Northwestern University  
Evanston, IL, USA

---

**INTERNATIONAL UNION OF MATERIALS RESEARCH SOCIETIES**

Australian Materials Research Society (A-MRS)  
J.S. Williams, Australian National University

Brazil Materials Research Society (B-MRS)  
F. Lucao Franca Jr., PUC-Rio

Chinese Materials Research Society (C-MRS)  
X. Peng, Beijing, China

European Materials Research Society (E-MRS)  
F. Priolo, INFM

European Materials Research Society (E-MRS)  
S.P. Baker, Cornell University

---

**MRS ADHERING BODIES**

Materials Research Society of Argentina (MRS-Argentina)  
J. Oviedo Garcia, CNEA

Materials Research Society of India (MRS-I)  
T. Ramasami, Indian Institute of Technology

Materials Research Society of Japan (MRS-J)  
N. Kishimoto, National Institute for Materials Science

Materials Research Society of Korea (MRS-K)  
J.-W. Park, Hanyang University

Materials Research Society of Russia (MRS-Russia)  
N.Z. Lyakhov, Russian Academy of Sciences

Materials Research Society of Singapore (MRS-S)  
B.V.R. Chowdari, National University of Singapore

Materials Research Society of Taiwan (MRS-T)  
P.T. Peng, Yuan Ze University

Mexican Materials Research Society (Mex-MRS)  
P.H. Hernández Tejeda, Benemérita Universidad Autónoma de Puebla

---

Downloaded from https://www.cambridge.org/core, IP address: 54.70.40.11, on 15 Oct 2018 at 06:43:52, subject to the Cambridge Core terms of use, available at https://www.cambridge.org/core/terms. doi:10.1557/mrs2009.220