



YOUR GUIDE
TO MRS
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SOCIETY
ACTIVITIES

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2003



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EXPAND YOUR KNOWLEDGE

MRS members for 2003 will enjoy increased access to the very latest materials information available.



MRS BULLETIN

www.mrs.org/publications/bulletin/

As an MRS member, you can count on your FREE monthly subscription to *MRS Bulletin* (both in print and electronic format) for the best news and research overviews available today. The technical articles in the *Bulletin* are among the most highly cited in the field of materials research, consistently ranking in the top 10 among 170 materials science journals.

Theme topics for 2003 will include:

- Microelectronics Packaging
- Soft Error Rates in Microelectronic Circuits
- Superhard Coating Materials
- Cellular Solids
- Photonic Materials for Optical Communication
- Materials Science of Adhesives
- Advanced Fabrics
- Ultrahigh-Temperature Materials for Jet Engines
- Spin-Polarized Materials for Spintronics
- Inkjet Printing of Electronic and Structural Materials
- Application of Neutron Scattering to Materials Science

In addition, *Washington News* will expand its scope to become *Science Policy*, highlighting international policy news that affects the global materials research community.

MRS SYMPOSIUM PROCEEDINGS

www.mrs.org/publications/books/

The MRS Symposium Proceedings Series, a long-standing standard reference in many areas of materials science, now includes over 6,600 proceedings papers available FREE online to members, with more added daily. This massive database provides a critical resource for researchers entering new fields, or following new developments in established fields. It is an ideal reference for graduate students, corporate scientists and engineers, and overseas researchers needing access to current information without the lag time of printing and mail delivery.

For our more archivally-minded members, print volumes of the MRS proceedings are available at 15-30% off list price. Check the 2003 Publications Catalog or the MRS Web site for the most current listings.

JOURNAL OF MATERIALS RESEARCH

www.mrs.org/publications/jmr/

As an MRS member, you may subscribe to *JMR*, one of the foremost archival materials research journals in the world, at a very low member rate. And all print subscriptions to *JMR* include exclusive FREE online Web access—full text of all *JMR* articles from January 1996 to the current issue. New articles are posted electronically and are available for viewing approximately 4-6 weeks before the print issue arrives in the mail. For authors wishing to submit to *JMR*, we're pleased to announce that a new expedited review process has decreased the time to decision on a newly-submitted paper to below two months.

Your 2003 subscription also includes:

- **Rapid Communications**—brief reports of unusual urgency and significance to the materials research community. Upon their acceptance, preprints are immediately available through the Web to *JMR* subscribers.
- A comprehensive index—all articles contained in Volume 18 (January-December 2003) listed by topic and by author. This is published in the December 2003 issue.

MIJ-NSR

nsr.mij.mrs.org/

MRS Internet Journal of Nitride Semiconductor Research (MIJ-NSR) is a fully electronic, peer-reviewed archival journal, featuring technical papers on the leading edge of nitride semiconductor research. Registration is FREE to MRS members.

E-MAIL ALERTS

www.mrs.org/gateway/

MRS members are invited to sign up for FREE member e-mail alerts aimed at providing new materials information quickly.

- **Publications Alert** delivers, in advance, tables of contents or *JMR* and *MRS Bulletin*. Subscribe at mrs-pubs-alert-subscribe@mrs.org.
- **MRS E-News** delivers the latest research highlights and professional opportunities. Subscribe at mrs-enews-subscribe@mrs.org.
- **MRS Public Affairs Alert** provides occasional summaries of current public-policy issues affecting the materials science and engineering community. Learn how you can make a difference. Subscribe at mrs-publicaffairs-subscribe@mrs.org.

CONNECT WITH GREAT MINDS

2003

MRS offers its members a broad and exciting array of networking opportunities.

MRS MEETINGS & WORKSHOPS

www.mrs.org/meetings/

The Materials Research Society has always been the "great meetings Society." In 2003, more than 7,000 members from around the world will attend MRS Meetings and Workshops, expanding their professional network of contacts through the exchange of new ideas and information. As an MRS member, you'll enjoy reduced registration fees for these events.

2003 MRS Spring Meeting & Exhibit April 21 – 25 • San Francisco, California

Symposium Clusters:

- Electronic & Optical Materials
- Molecular Materials and Biomaterials
- Nanostructured Materials

Other symposium topics include: semiconductor spintronics; multiscale phenomena in materials; and mechanisms in electrochemical deposition and corrosion.

Note: The preregistration deadline is April 4, 2003.

For information, contact the 2003 MRS Spring Meeting Chairs: Terry Garino (Sandia National Laboratories); Hans-Joachim L. Gossmann (Agere Systems); Lisa Klein (Rutgers University); or Albert Polman (FOM-Institute AMOLF).

2003 MRS Fall Meeting & Exhibit December 1 – 5 • Boston, Massachusetts

Tentative symposium topics include: microbattery and micropower systems; molecularly imprinted materials; materials for data storage; and thermoelectrics, among others.

Note: The abstract deadline is June 19, 2003.

For information, contact the 2003 MRS Fall Meeting Chairs: Paula Hammond (MIT); Susan Troler McKinstry (Penn State University); Rommel Noufi (National Renewable Energy Laboratory); or Fred Roozeboom (Philips Research).

2003 Workshops

Plans are also underway for 2003 Workshops, smaller, highly focused meetings on emerging materials topics. Visit the MRS Web site regularly for the most up-to-date information or contact Pat Hastings (Materials Research Society) at hastings@mrs.org.

Looking Ahead at 2004 MRS Meetings

- 2004 Spring Meeting: April 12 – 16 • San Francisco, CA
- 2004 Fall Meeting: November 29 – December 3 • Boston, MA

MEMBERSHIP DIRECTORY

www.mrs.org/membership/

The MRS Online Membership Directory is a professional networking service available exclusively to our members. Updated regularly, it is a quick and easy way for you to search for colleagues by name, institution or geographical location.

CAREER OPPORTUNITIES

www.mrs.org/career_services/

Opportunities for you to expand your career or your company include the MRS Spring and Fall Meeting Career Centers, the most efficient forums available for pursuing employment or filling materials research positions. In addition, *MRS Bulletin* advertises a wide range of materials-related professional openings in industry, academia, government and research worldwide. Listings are also posted on the MRS Web site each month for convenient online access.

UNIVERSITY CHAPTERS & SECTIONS

www.mrs.org/university/
www.mrs.org/sections/

University Chapters facilitate discussion between students and faculty and promote student interest in materials science. As a student member in 2003, you may network among 32 active Chapters in the U.S., compare notes on recent activities and brainstorm with other students on new projects and issues of common concern. MRS Sections provide convenient regional forums for the interaction of scientists and engineers in various materials disciplines of particular interest to that community.

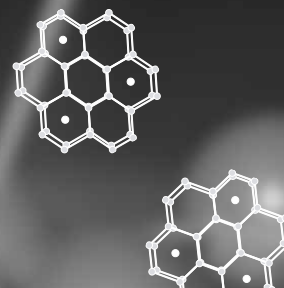
INTERNATIONAL COLLABORATIONS

www.mrs.org/gateway/iumrs.html

MRS works closely with other materials organizations around the world and is an Adhering Body of IUMRS (International Union of Materials Research Societies). This collaboration facilitates international cooperation among materials research organizations and helps to advance the multidisciplinary nature of the materials research community. Link directly to IUMRS at www.iumrs.org for general information, a list of officers, publications, and upcoming meeting information.

GAIN RECOGNITION

**You may recognize your colleagues,
or be recognized yourself, for
outstanding research contributions.**



MRS AWARDS

www.mrs.org/awards/

The MRS Awards Program acknowledges outstanding contributions to the progress of materials research, honoring those whose work has already impacted the field, as well as those whose work shows great promise for future leadership.

The **Von Hippel Award**, the Materials Research Society's highest honor, recognizes those qualities most prized by materials scientists and engineers—brilliance and originality of intellect, combined with vision that transcends the boundaries of conventional scientific disciplines. The deadline for receipt of new nominations is June 1 of each year.

The **David Turnbull Lectureship** recognizes the career of a scientist who has made outstanding contributions to understanding materials phenomena and properties through research, writing, and lecturing, as exemplified by the life work of David Turnbull. The recipient will present a technical lecture of broad appeal at the MRS Fall Meeting, and may be asked to speak at MRS Section and University Chapter meetings. Nominations are due June 1 of each year.

The **MRS Medal** recognizes an exceptional recent achievement in materials research which is expected to have a major impact on the progress of any materials-related field. Nominations are due June 1 of each year.

The **MRS Outstanding Young Investigator Award** recognizes outstanding, interdisciplinary scientific work in materials research by a young scientist or engineer. The award recipient must also show exceptional promise as a developing leader in the materials area. The deadline for receipt of new nominations is October 1 of each year.

MRS Graduate Student Awards honor and encourage graduate students whose academic achievements and current materials research display a high order of excellence and distinction. Finalists compete for Gold and Silver Medals at the MRS Spring and Fall Meetings. Applications are due approximately 5 months preceding each MRS meeting.

PUBLISHING OPPORTUNITIES

www.mrs.org/publications/

Publishing venues for MRS members include the *MRS Bulletin* and *Journal of Materials Research*. To propose a theme topic for *MRS Bulletin*, or for information on guest-editor opportunities, contact the *Bulletin* editor. For authors wishing to submit to *JMR*, we are pleased to announce that the *Journal's* new expedited review process has decreased the time to decision on a newly-submitted paper to below two months.

In addition, the MRS Symposium and Conference Proceedings Series offer opportunities to publish papers presented at MRS meetings and other scientific and technical meetings.

THE MRS/OSA CONGRESSIONAL FELLOWSHIP

www.mrs.org/pa/fellowship/

MRS, in conjunction with the Optical Society of America (OSA), is the proud sponsor of the MRS/OSA Congressional Science and Engineering Fellowship Program. This provides MRS/OSA members with an invaluable public-policy learning experience, while educating policy makers about the value of materials science.

The Fellow spends one year (beginning each September) working as a special legislative assistant on the staff of a member of Congress or Congressional Committee. Activities may involve conducting legislative work, assisting in Congressional hearings and debates, preparing briefs and writing speeches. The Fellow also attends an orientation program on Congressional and Executive Branch operations in addition to a year-long seminar series on science and public-policy issues.

Applications are currently being sought for the 2003-2004 Congressional Fellowship. The deadline for 2003 is January 15.

BECOME A VITAL PART

2003

MRS encourages you to become active within the Society as well as the larger community.

SOCIETY MEMBER VOLUNTEERS

www.mrs.org/geninfo/

The tremendous growth and success of our Society is the result of member input and the energetic efforts of many MRS member volunteers. The MRS committee structure and task forces offer members an invaluable opportunity to participate in, and influence profoundly, the operation of the Society.

A recent radical restructuring of our governance has now made such volunteer activities even more effective than they have been in the past. If you have an interest in working on any aspect of MRS activity, contact Merrilea Mayo, 2003 MRS President at mmayo@nas.edu.

SPECIAL INTEREST DISCUSSION GROUP—WOMEN IN MS&E

www.mrs.org/women/

Women in Materials Science and Engineering is the subject of a special breakfast at both the MRS Spring and Fall Meetings and features a timely discussion about issues facing women in the materials research and engineering professions. Additionally, MRS members are encouraged to join the "Women in MS&E" mailing list for a continuing discussion and exchange of ideas. Both women and men are welcome to participate. Subscribe at mrs-women-subscribe@mrs.org.

HIGH SCHOOL STUDENT WORKSHOPS

www.mrs.org/pa/publicoutreach/

The MRS Public Outreach Subcommittee sponsors a half-day Student Workshop in conjunction with the MRS Spring and Fall Meetings on materials topics relevant to middle- and high-school-age students. This hands-on workshop introduces the concept of materials and instills the excitement of scientific discovery. Recent workshops have delved into the subjects of polymers, data storage, and materials for sports. For more information, contact Bill Hammetter, Public Outreach Subcommittee Chair, at wfhamme@sandia.gov.

MATERIALS MICROWORLD

www.mrs.org/microworld/

Materials MicroWorld is a hands-on, interactive travelling museum exhibition, targeting 5th-8th graders, that will immerse visitors in the world of materials science. Opening in Toronto in June, 2003, Materials MicroWorld will have an associated, discovery-based Web page and curriculum content connections for teachers that focus on the hidden and active science of materials that shape our physical world—from the mundane to the mysterious.

Museums and science centers across the country will host the exhibition beginning in February, 2004. MRS members will have opportunities to contribute in each of the museum's local communities. For more information, contact Beth Stadler (University of Minnesota) at stadler@ece.umn.edu or Richard Souza (Materials Research Society) at souza@mrs.org.

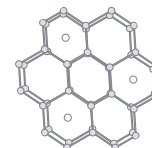
This exhibition and its national tour are made possible by the National Science Foundation, Alcan, Dow, Ford Motor Company and 3M.

CORPORATE AFFILIATION

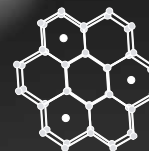
www.mrs.org/mo/corporate/

MRS Corporate Affiliates provide a vital link in the Society's promotion of close interaction among scientists and engineering professionals in the materials research community. Through networking and information exchange, your organization will be better able to develop products and services that are tailored to the needs of the research community—which in turn will generate additional partnership opportunities.

If your organization is interested in influencing the growth and direction of interdisciplinary, basic research on advanced materials, contact Mary E. Kaufold (Materials Research Society) at kaufold@mrs.org.



INVITE YOUR COLLEAGUES



To join, mail or fax this application to:

Materials Research Society
506 Keystone Drive
Warrendale, PA 15086 USA
Tel: 724-779-3003
Fax: 724-779-8313

or join online at
www.mrs.org/membership/

2003 MRS MEMBER BENEFITS

MRS Publications & Online Resources

- FREE print subscription to *MRS Bulletin* with FREE electronic access as well
- Discounted rate to *Journal of Materials Research* which includes FREE Web access
- Opportunities to purchase MRS symposium proceedings at member discounts and enjoy FREE Web access to over 6,600 proceedings papers online
- FREE registration to *MRS Internet Journal of Nitride Semiconductor Research*
- Access to FREE MRS E-Mail Alerts

MRS Networking Opportunities

- Discounted registration fees for MRS meetings and workshops
- The online MRS Membership Directory
- Career development opportunities at MRS meetings and through the *MRS Bulletin*
- Student involvement in MRS University Chapters
- Regional forums for interaction through MRS Sections
- Access to information on international collaborations such as IUMRS

Opportunities for Recognition

- The MRS Awards Program
- Publishing venues including the monthly *MRS Bulletin*, *Journal of Materials Research* and MRS symposium proceedings
- The MRS/OSA Congressional Science and Engineering Fellowship Program

Opportunities to Contribute

- MRS volunteer opportunities
- Public outreach and education opportunities including Materials MicroWorld, "Women in Materials Science and Engineering," and high school student workshop involvement.
- Corporate Affiliation

MEMBERSHIP APPLICATION

B

I am a new member Please renew my membership

MRS MEMBERSHIP RATES

Rates are for 12 months and include complimentary subscription to *MRS Bulletin* and FREE access to online MRS proceedings.

A. Start membership (check one): January 1, 2003 July 1, 2003

Regular Membership	\$100.00	\$ _____
Student Membership	\$ 25.00	\$ _____
Retired/Unemployed	\$ 25.00	\$ _____

B. Include a Member Subscription to *Journal of Materials Research* with FREE online access.

U.S. Member Rate.....	\$115.00	\$ _____
Non-U.S. Member Rate (surface)	\$155.00	\$ _____
Non-U.S. Member Rate (air freight)	\$215.00	\$ _____

C. Voluntary Contribution to support MRS student programs

(Tax deductible to contributor under U.S. tax laws.) \$ _____ 10.00

D. Total (A+B+C)..... \$ _____

Allow 6-8 weeks for delivery of any back issues of subscriptions.
Dues allocated to *MRS Bulletin* Subscription: \$29 Regular, \$17 Student

PAYMENT INFORMATION

Check/money order enclosed—payable to **Materials Research Society**
 Bill my credit card: MasterCard VISA Diners Club American Express

Card No. _____

Signature _____ Exp. Date _____

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Name: First _____ Middle I. _____ Last _____

Membership ID# (if renewing) _____

Institution _____ Dept./Mail Stop _____

P.O. Box _____ Street _____

Postal Code _____ City _____

State/Province _____ Zip _____ Country _____

Tel: Country Area/City Local Number _____ Fax: Country Area/City Local Number _____

E-mail address _____ WWW address _____

NOTE: The address above will also be used in future MRS Membership Directories unless you provide an alternate.

STUDENT APPLICANTS

I am currently enrolled as a full-time student, or I am working full-time on a thesis or dissertation.

Signature _____ Date _____ 02-0123MG