



YOUR GUIDE  
TO MRS  
MEMBER  
BENEFITS &  
SOCIETY  
ACTIVITIES

2007 OFFICERS

2007



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# EXPAND YOUR KNOWLEDGE

**MRS members for 2007 will enjoy increased access to the very latest materials information available.**

## **MRS BULLETIN** [www.mrs.org/bulletin](http://www.mrs.org/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% of materials science journals.

Theme topics for 2007 will include:

- Laser Direct-Write Processing
- Functional Nanowires—From Fundamental Science to Emerging Applications
- Advanced Materials for Inorganic Photovoltaics
- Polymer Nanocomposites
- Focused Ion Beam Microscopy and Micromachining
- Biological Adhesive Systems
- Bulk Metallic Glasses—Fundamentals and Applications
- Molecules in the Solid State
- Nanomaterials for Neural Interfaces—Emerging New Functions and Potential Applications
- The Materials Science of Cosmetics
- Multiscale Modeling in Advanced Materials Research—Challenges, Novel Methods and Emerging Applications
- Novel *In Situ* Probes for Nanocatalysis

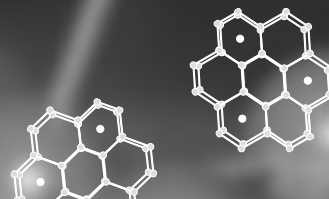
## **MRS SYMPOSIUM PROCEEDINGS** [www.mrs.org/proceedings](http://www.mrs.org/proceedings)

The MRS Symposium Proceedings Series, a long-standing standard reference in many areas of materials science, now includes over 17,500 proceedings papers available FREE online to members, with more added daily. This massive database 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 15-20% off list price. Check the 2007 Publications Catalog or the MRS Web site for the most current listings.

## **MIJ-NSR** [nsr.mij.mrs.org](http://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.



## **JOURNAL OF MATERIALS RESEARCH** [www.mrs.org/jmr](http://www.mrs.org/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. 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 2007 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.
- **Special Focus Issues**—Mechanical Properties of Metallic Glasses and Applications will be featured in the February 2007 issue of *JMR*; Multiferroics will be the focus of the August 2007 issue.

## **MY MRS** [www.mrs.org/mymrs](http://www.mrs.org/mymrs)

This new feature of the MRS Web site allows you to *personalize* the information you receive from us—identify your particular areas of interest, register for online newsletters and E-mail Alerts (see below), change your password or e-mail address, and more.

## **E-MAIL NEWSLETTERS AND ALERTS** [www.mrs.org/alerts](http://www.mrs.org/alerts)

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

- **eMatters** delivers bimonthly "snapshots" of what's new in the materials research community—the latest research worldwide, professional opportunities, important links and more.
- **MRS Table-of-Contents Alert** delivers advance table-of-contents listings for *MRS Bulletin* and *JMR*.
- **Just Published! Book Alert** provides announcements of new MRS books and special book offers.
- **Meeting Scene** delivers daily summaries of technical presentations and events by on-the-spot reporters at MRS Spring and Fall Meeting and other special non-MRS conferences.
- **MRS Public Affairs Alert** provides occasional calls-to-action and/or summaries of current public-policy issues affecting the materials science and engineering communities.

# CONNECT WITH GREAT MINDS

# 2007

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

## MRS MEETINGS & WORKSHOPS

[www.mrs.org/meetings](http://www.mrs.org/meetings)

The Materials Research Society has always been the “great meetings Society.” In 2007, more than 7,500 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.

### 2007 MRS Spring Meeting & Exhibit

April 9–13, 2007 • San Francisco, CA

SYMPOSIUM  
CLUSTERS

- Electronic and Magnetic Materials
  - Polymers, Hybrids and Biomaterials
  - Optical Materials and Phenomena
  - Nanoscale Materials, Properties and Applications
- Note: The preregistration deadline is March 23, 2007*

For additional information, contact the 2007 MRS Spring Meeting Chairs: Timothy J. Bunning (Air Force Research Laboratory); Harold Y. Hwang (University of Tokyo); Debra Kaiser (National Institute of Standards and Technology); and Jennifer A. Lewis (University of Illinois at Urbana-Champaign).

### 2007 MRS Fall Meeting & Exhibit

November 26–30, 2007 • Boston, MA

SYMPOSIUM  
CLUSTERS

- Characterization Approaches
  - Electronics, Optics and Magnetics
  - Energy and the Environment
  - Engineered Materials
  - Nanosystems
  - Soft Matter and Bioscience
- Note: The abstract deadline is June 20, 2007*

For additional information, contact the 2007 MRS Fall Meeting Chairs: Duane Dimos (Sandia National Laboratories); Mary Galvin (Air Products and Chemicals, Inc.); David Mooney (Harvard University); and Konrad Samwer (Universitaet Goettigen I. Physikalisches Institut Friedrich-Hund-Platz).

### 2007 Workshops

Plans are also underway for 2007 Workshops—smaller, highly focused meetings organized and/or coordinated by the Materials Research Society. Already scheduled:

- 3rd Annual Organic Microelectronics Workshop  
July 8–11, Seattle, WA

## MEMBERSHIP DIRECTORY

[www.mrs.org/directory](http://www.mrs.org/directory)

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 CENTRAL

[www.mrs.org/career\\_central](http://www.mrs.org/career_central)

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](http://www.mrs.org/university)

[www.mrs.org/sections](http://www.mrs.org/sections)

University Chapters facilitate discussion between students and faculty and promote student interest in materials science. As a student member in 2007, you may network among over 42 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.iumrs.org](http://www.iumrs.org)

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](http://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](http://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.

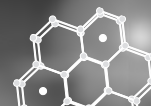
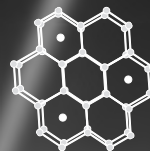
The **Von Hippel Award**, the Materials Research Society's highest honor, recognizes those qualities most prized by materials scientists and engineers—brilliance and originality of intellect, combined with vision that transcends the boundaries of conventional scientific disciplines. The deadline for 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](http://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.

**New for 2007**—MRS introduces its **Publishing Partners** program. Whether you are a conference organizer or the author of a single-topic monograph, MRS can help with your publishing needs. This program offers a full suite of services that include:

- quality editorial and production services at a reasonable cost
- extensive marketing and promotional services that reach a broad international materials market
- exposure on the MRS Web site, which enjoys an average of over 110,000 unique visitors each month for materials research news and products.

For more information, on the Publishing Partners program, visit [www.mrs.org/publishingpartners](http://www.mrs.org/publishingpartners)

## **THE MRS/OSA CONGRESSIONAL FELLOWSHIP** [www.mrs.org/pa/fellowship](http://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 2007-2008 Congressional Fellowship. The deadline for 2007 is January 12.

# BECOME A VITAL PART

# 2007

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

## **SOCIETY MEMBER VOLUNTEERS**

[www.mrs.org/volunteer](http://www.mrs.org/volunteer)

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 Alan Hurd, 2007 MRS President at [ajhurd@lanl.gov](mailto:ajhurd@lanl.gov).

## **WOMEN IN MATERIALS SCIENCE AND ENGINEERING**

[www.mrs.org/alerts](http://www.mrs.org/alerts)

MRS members are encouraged to join the Women in Materials Science & Engineering interest group—an online forum for dialog among women working in, or pursuing education towards, a profession in materials science or engineering. The goal is to share ideas and strategies that may be useful in professional life and to generate ideas for promoting awareness of women's issues to the broad professional community. Subscribe at [www.mrs.org/alerts](http://www.mrs.org/alerts)

Additionally, 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 materials science and engineering professions.

## **CORPORATE AFFILIATION**

[www.mrs.org/mo](http://www.mrs.org/mo)

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](mailto:kaufold@mrs.org).

## **STRANGE MATTER**

[www.mrs.org/strangematter](http://www.mrs.org/strangematter)

Strange Matter is a traveling interactive exhibition where users enter the fascinating, practical, occasionally bizarre and often beautiful world of materials science through over a dozen hands-on experiences. Targeting 5th-8th grade students and families, the Strange Matter exhibition opened in North America in June 2003. After three successful years, two versions of the exhibition will continue their tours to major science centers including:

**Milton J. Rubenstein Museum of Science & Technology**  
Syracuse, NY • November, 2006—April, 2007

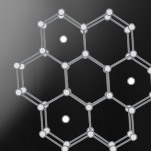
**Calgary Science Centre**  
Calgary, Alberta • June—August, 2007

MRS members will have opportunities to contribute and/or volunteer their services in each of the museum's local communities. For more information, contact Richard Souza at [souza@mrs.org](mailto:souza@mrs.org).

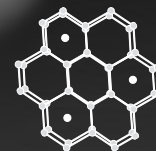
An interactive Web site ([www.strangematterexhibit.com](http://www.strangematterexhibit.com)) accompanies the exhibit, and provides a number of elements that supplement the exhibit experience. Since its launch, the Strange Matter Web site has garnered significant acclaim. The Washington Times, for example, called it "an awesome immersion in the science of materials."

In addition to the Strange Matter exhibition and Web site, the Strange Matter team has developed a teacher curriculum/activity guide designed to assist teachers with integrating materials science into their 5th-8th grade science curriculums. The hands-on activities, aligned with the National Science Education Standards, are designed to encourage exploration and inquiry.

The exhibition and its tour are made possible by the National Science Foundation, Alcan Inc, Dow, Ford Motor Company Fund, Intel Innovation in Education, and the 3M Foundation.



# 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](http://www.mrs.org/membership)

## 2007 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 17,500 proceedings papers online
- "MyMRS" feature allows you to *personalize* the information you receive from MRS. Identify your particular areas of interest, register for FREE MRS E-mail Alerts, change your password or e-mail address, and more.
- 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 plus, the **NEW** Publishing Partners Program
- The MRS/OSA Congressional Science and Engineering Fellowship Program

### Opportunities to Contribute

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

## MEMBERSHIP APPLICATION

MG

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, 2007     July 1, 2007

Regular Membership .....	\$105.00	\$	_____
Student Membership .....	\$ 30.00	\$	_____
Retired/Unemployed .....	\$ 30.00	\$	_____

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

U.S. Member Rate.....	\$150.00	\$	_____
Non-U.S. Member Rate (surface) .....	\$190.00	\$	_____
Non-U.S. Member Rate (air freight) .....	\$250.00	\$	_____

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

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

Card No. \_\_\_\_\_

Signature \_\_\_\_\_ Exp. Date \_\_\_\_\_

### BILLING & SHIPPING ADDRESS

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 \_\_\_\_\_ NOV06