



2015

MRS Member Benefits
and Society Activities



MATERIALS RESEARCH SOCIETY®
Advancing materials. Improving the quality of life.

WELCOME

to the Materials Research Society

MRS is a growing, vibrant, member-driven organization focused on broadening the impact of materials science and improving the quality of life. Our members are research professionals from industry, academia and government from around the world, and they choose MRS because it is important to their work and careers.

As a member, you will enjoy the many benefits MRS has to offer—subscription to the online letters and prospectives journal, *MRS Communications*; a print and electronic subscription to *MRS Bulletin*; access to the *MRS Online Proceedings Library*, which now includes over 100,000 proceedings papers; access to *Materials360 Online*, our news resource designed specifically for the materials research community; listing in, and access to, the online MRS Member Directory; discounted rates for MRS meetings and workshops, to name just a few.

New for 2015, MRS members will receive free access to *MRS Energy & Sustainability—A Review Journal*, focused on key topics in materials research and development as they relate to energy and sustainability. Also look forward to the continued growth and expansion of MRS OnDemand®. Increased capabilities have allowed live-streaming and electronic capture of more content, benefiting on-site and remote attendees both during, and after, MRS Meetings.

What you might not know about MRS is that we are expanding our professional development portfolio to better meet your career needs and to better serve the materials research community. These efforts include:

- ♦ advocating for increased and sustained funding for the physical sciences
- ♦ fostering outreach and science education for policy leaders and the general public
- ♦ promoting diversity and inclusion in the scientific workforce
- ♦ introducing prestigious new awards
- ♦ collaborating with international partners on bilateral projects

By joining MRS, you add your voice to those of over 16,000 others who support these efforts and believe in the MRS mission of advancing interdisciplinary materials research to improve the quality of life.

www.mrs.org

EXPAND

YOUR KNOWLEDGE

The full suite of MRS publications—*MRS Communications*, *MRS Bulletin*, *Journal of Materials Research*, the *MRS Online Proceedings Library* and the new *MRS Energy & Sustainability—A Review Journal*—is hosted on Cambridge Journals Online (CJO). For both authors and readers that means expanded benefits ... advanced search capabilities, reference linking, mobile browser accessibility and more! An Open Access option is available for select MRS Publications at discounted rates through 2015; MRS members enjoy additional discounts.

MRS ENERGY SUSTAINABILITY A Review Journal

Now available, *MRS Energy & Sustainability—A Review Journal* is **FREE to MRS Members** and publishes reviews on key topics in materials research and development as they relate to energy and sustainability.

Review topics include new R&D of both established and new areas; interdisciplinary systems integration; and objective application of economic, sociological and governmental models, enabling research and technological developments. Reviews will be set in an integrated context of scientific, technological and sociological complexities relating to environment and sustainability.

The intended readership is a broad spectrum of scientists, academics, policymakers and industry professionals, all interested in the interdisciplinary nature of the science, technology and policy aspects of energy and sustainability.

Open Access option available.

www.mrs.org/energy-sustainability-journal

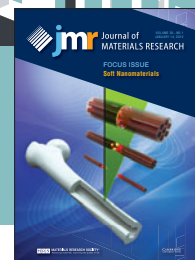
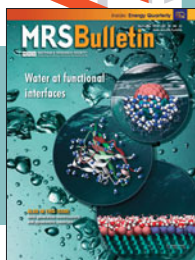
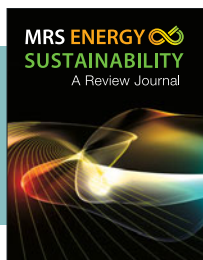
MRSonline PROCEEDINGS LIBRARY

The *MRS Online Proceedings Library (OPL)*, **FREE to all MRS members**, offers unlimited full-text availability to over 100,000 papers from the well-recognized MRS Symposium Proceedings Series—proceedings published from Volume 1 to the present, with more added daily. The collection also includes many proceedings papers that were never published in print format and are available only online.

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.

www.mrs.org/opl



MRS Communications

MRS Communications is a full-color, high-impact journal focused on groundbreaking work across the broad spectrum of materials research.

As an MRS member, you'll receive **FREE access to MRS Communications** on Cambridge Journals Online (CJO). Complimentary access is also available in dynamic page-turning format and mobile applications downloadable from iTunes and the Android Market.

MRS Communications offers a rapid but rigorous peer-review process and time-to-publication with an aggressive production schedule that will bring your article to online publication within a target of 14 days from acceptance.

Leveraging its access to the far-reaching technical expertise of MRS members and leading materials researchers from around the world, the journal boasts an experienced and highly respected Advisory Board, editorial board of Principal Editors and reviewers.

Major article types for *MRS Communications* include research letters and Prospectives articles.

Open Access option available.

www.mrs.org/mrc



Celebrating
30 YEARS

As an MRS member, you may subscribe to *Journal of Materials Research (JMR)*, one of the foremost archival materials research journals in the world, at a very low member rate. All subscription options include full-text articles from the *Journal's* inception in January 1986 to the current issue.

JMR publishes 24 issues per year, including six special Focus Issues in 2015:

| | |
|-----------|--|
| January | Soft Nanomaterials |
| February | <i>In-situ</i> and Operando Characterization of Materials |
| May | Radiation Damage and Effects Characterization—State of the Art, Challenges, and Protocols |
| September | Advances in Thermoelectric Materials II |
| October | Nitrides and Oxynitride Materials |
| December | Biom mineralization |

Open Access option available.

www.mrs.org/jmr

MRS Bulletin

Celebrating
40 YEARS

As an MRS member, you can count on your **FREE monthly subscription to MRS Bulletin** in a variety of formats 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 2015 include:

- ◆ Frontiers of *In Situ* Electron Microscopy
- ◆ 3D Printing of Biomaterials
- ◆ 3D Integrated Circuits—Materials Challenges
- ◆ Multiscale Mechanics of Biological, Biomedical and Biologically Inspired Materials
- ◆ Power Electronics with Wide Bandgap Materials
- ◆ Biom mineralization
- ◆ 2D Transition Metal Dichalcogenides—New Phenomena and Applications
- ◆ Perovskite Photovoltaics
- ◆ Obtaining Ultimate Functionalities in Nanocomposites—Design, Control, and Manipulation
- ◆ Engineered Nanomaterials in Aerospace Applications
- ◆ Mesoscale Materials, Phenomena, and Functionality
- ◆ **Special Issue: Materials and Engineering**

Don't miss Energy Quarterly (EQ)! Bound within *MRS Bulletin* four times a year, EQ offers interviews and analysis of materials solutions to the world's accelerating need for secure, affordable and environmentally sustainable energy.

www.mrs.org/bulletin



MRS PUBLISHING

Do you have an idea for a new book or journal on a materials-related topic?

Is there a materials topic that is under represented, or shows exceptional potential for growth within the MRS publications portfolio? If so, then submit a proposal to the Materials Research Society, where we don't just serve the materials community ... **we ARE the materials community.**

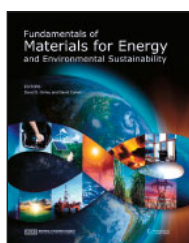
www.mrs.org/mrs-publishing

EXPAND YOUR KNOWLEDGE

Books and Textbooks from the Materials Research Society and Cambridge University Press

MRS continues to expand the breadth and scope of its Book Collection. Leading experts from around the world provide comprehensive coverage of topics spanning physics, chemistry, biology, mathematics and engineering—the full spectrum of materials research. MRS members receive special **discounted pricing on all MRS books and textbooks**. Visit www.mrs.org/books-textbooks for the latest offerings in the Collection.

TEXTBOOKS

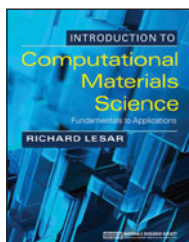


Fundamentals of Materials for Energy and Environmental Sustainability

EDITORS: David S. Ginley and David Cahen
ISBN: 9781107000230
List Price: \$110.00
MRS Member Discount Price: \$88.00

A unique, interdisciplinary textbook with contributions from more than 100 experts in energy and the environment from around the world.

www.cambridge.org/ginley

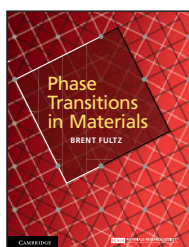


Introduction to Computational Materials Science: Fundamentals to Applications

AUTHOR: Richard LeSar
ISBN: 9780521845878
List Price: \$100.00
MRS Member Discount Price: \$80.00

Emphasizing essential methods and universal principles, this textbook provides everything students need to understand the basics of simulating materials behavior.

www.cambridge.org/lesar

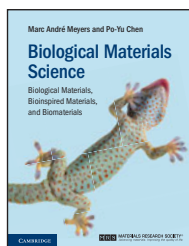


Phase Transitions in Materials

AUTHOR: Brent Fultz
ISBN: 9781107067240
List Price: \$90.00
MRS Member Discount Price: \$72.00

Offering a fresh viewpoint on phase changes and the thermodynamics of materials, this textbook covers the thermodynamics and kinetics of the most important phase transitions in materials science, spanning classical metallurgy through to nanoscience and quantum phase transitions.

www.cambridge.org/fultz

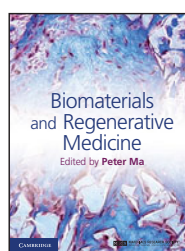


Biological Materials Science: Biological Materials, Bioinspired Materials, and Biomaterials

AUTHORS: Marc André Meyers and Po-Yu Chen
ISBN: 9781107010451
List Price: \$99.00
MRS Member Discount Price: \$79.00

Split into three sections—Basic Biology Principles, Biological Materials, and Bioinspired Materials and Biomimetics—this book presents biological materials along with the structural and functional classification of biopolymers, bioelastomers, foams, and ceramic composites.

www.cambridge.org/bms

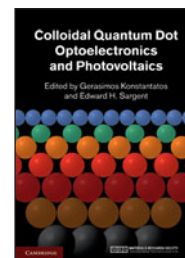


Biomaterials and Regenerative Medicine

EDITOR: Peter Ma
ISBN: 9781107012097
List Price: \$185.00
MRS Member Discount Price: \$148.00

Emphasizing basic principles and methodology, this book covers stem cell interactions, fabrication technologies, design principles, physical characterization and biological evaluation, across a broad variety of systems and biomaterials.

www.cambridge.org/biomaterials

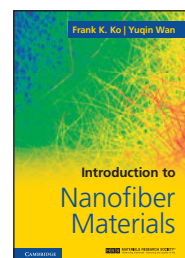


Colloidal Quantum Dot Optoelectronics and Photovoltaics

EDITORS: Gerasimos Konstantatos and Edward H. Sargent
ISBN: 9780521198264
List Price: \$130.00
MRS Member Discount Price: \$104.00

Written in an accessible style by the world's leading experts, this book captures the most up-to-date research in colloidal quantum dot devices.

www.cambridge.org/colloidal

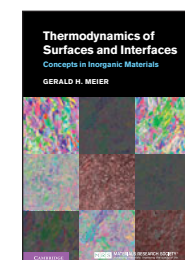


Introduction to Nanofiber Materials

AUTHORS: Frank K. Ko and Yuqin Wan
ISBN: 9780521879835
List Price: \$99.00
MRS Member Discount Price: \$79.00

Presenting the latest coverage of the fundamentals and applications of nanofibrous materials and their structures for graduate students and researchers, this book bridges the communication gap between fiber technologists and materials scientists and engineers.

www.cambridge.org/nanofiber



Thermodynamics of Surfaces and Interfaces: Concepts in Inorganic Materials

AUTHOR: Gerald H. Meier
ISBN: 9780521879088
List Price: \$120.00
MRS Member Discount Price: \$96.00

This book provides an accessible yet rigorous discussion of the thermodynamics of surfaces and interfaces, delivering a comprehensive guide without an overwhelming amount of mathematics.

www.cambridge.org/meier

www.mrs.org/books-textbooks

MRS OnDemand®

MRS OnDemand hosts the best presentations from past MRS Meetings, plenary and award talks, webinars, Energy Quarterly interviews and more. Increased capabilities have allowed us to capture the brightest minds from industry and academia discussing topics surrounding materials science, and provide **FREE access to MRS members**—complete with presentation slides.

In 2015, look for more live streaming and electronic capture, benefiting on-site and remote attendees both during, and after, MRS Meetings.



MRS OnDemand also hosts MRS TV—an interview series dedicated to news and views from MRS Meetings. Each video features a mix of well-established, popular topics as well as leading-edge research and interviews with Meeting attendees—from Nobel and Kavli Prize winners and experts in the field, to first-time attendees and long-time MRS volunteers.

MRS OnDemand® WEBINAR SERIES

Presented by *MRS Bulletin*, the MRS OnDemand Webinar Series features free, live webinars through the year that

provide valuable educational information on timely, interdisciplinary topics. Expert speakers deliver knowledge on a variety of cutting-edge topics, and answer questions submitted by live viewers. This format provides a great opportunity to learn while networking with other researchers from around the world. Completed webinars are archived for your convenience.

2015 webinars include:

| | |
|--------------|---|
| January 21 | In Situ Transmission Electron Microscopy |
| February 25 | 3D Printing of Biomaterials |
| March 25 | 3D Integrated Circuits: Materials Challenges |
| April 22 | Multiscale Mechanics of Biological, Biomedical and Biologically Inspired Materials |
| May 20 | Power Electronics with Wide Bandgap Materials |
| June 24 | Biom mineralization |
| July 22 | 2D Transition Metal Dichalcogenides |
| August 26 | Perovskite Photovoltaics |
| September 23 | Functional Nanocomposites |
| October 21 | Engineered Nanomaterials in Aerospace Applications |

From your home, office, or on the go, MRS OnDemand makes viewing important materials science content free and easy to our society and the materials community at large. **It's Your MRS, Your Way!**

www.mrs.org/on-demand

MyMRS

This feature of the MRS website allows you to personalize the information you receive from us—identify your particular areas of interest, register for online newsletters and email alerts (see below), change your password or email address, and more.

Email Newsletters & Alerts

MRS members are invited to sign up for FREE member email alerts aimed at providing new materials information quickly. Below is a sampling of the emails offered.

Materials360® 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 Alerts deliver advance table-of-contents listings for *MRS Bulletin*, *JMR*, *MRS Communications* and *MRS Energy & Sustainability—A Review Journal*.

Meeting Scene delivers daily summaries of technical presentations and events by on-the-spot reporters at MRS Spring and Fall Meetings 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.

INTERSECTIONS—Materials Research & Science Policy offers a quarterly source of information about the intersection of materials research and government including updates on what’s happening in Washington, DC, and within the government affairs activities of MRS.

The **MRS Community Connections** newsletter is published with the goal of expanding our thinking beyond research to build an inclusive environment where all materials scientists will flourish. The newsletter represents a concise compilation of information relevant to materials scientists and engineers. The content is issued twice a year, before each MRS Spring and Fall Meeting, respectively.

www.mrs.org/mymrs

materials 360 online

Materials360 Online is your **premier source for materials science news and information**, brought to you by the Materials Research Society and Cambridge University Press. Created to collect all the most important materials science news in one place, this website saves time and needless searching. Through rigorous reporting, detailed fact checking, and clear writing, our volunteers, freelancers, staff writers, and editors bring original news articles with the unique perspective of an organization devoted to the advancement of materials science. In addition, we link you to other stories from professional news sources.

- ◆ Breaking Research News
- ◆ MRS News
- ◆ Hot Topics
- ◆ Featured Journal Articles
- ◆ Videos and Podcasts
- ◆ Education and Outreach Links
- ◆ Twitter Feeds
- ◆ And More!

www.materials360online.com

CONNECT

WITH GREAT MINDS



CONFERENCE SERVICES

Because the Experience Matters

For more than 30 years, MRS has been known as a leader in scientific meeting management. Now, MRS offers its trademark talents of meeting expertise and operational infrastructure to other scientific communities in need of conference support.

MRS Conference Services offers a perfect arrangement for both sides of the collaboration—the scientific community maintains their programming autonomy while MRS provides its communications, logistics and business management forte.

Below are the MRS Conference Services events for 2015:



20th International Conference on Solid State Ionics

June 14-19, 2015 | Keystone, Colorado, USA



57th Electronic Materials Conference

June 24-26, 2015 | Columbus, Ohio, USA



73rd Device Research Conference

June 21-24, 2015 | Columbus, Ohio, USA

www.mrs.org/conference-services-upcoming-meetings

MRS Meetings and Workshops

The Materials Research Society has always been the “great meetings Society.” In 2015, more than 13,000 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.



2015 MRS Spring Meeting & Exhibit

LAST MEETING IN SAN FRANCISCO

April 6-10, 2015 | San Francisco, California, USA

Symposium clusters:

- ◆ Energy
- ◆ Nanomaterials
- ◆ Electronics and Photonics
- ◆ Soft and Biomaterials
- ◆ General—Fabrication and Characterization

www.mrs.org/spring2015



XXIV International Materials Research Congress (IMRC 2015)

August 16-20, 2015 | Cancun, Mexico

Symposium topics include:

- ◆ Materials in Nuclear Science and Technology
- ◆ Biomaterials for Medical Applications
- ◆ Magnetism and Superconductivity in New Materials
- ◆ Materials and the Environment
- ◆ Frontiers in Plasmonic Materials

www.mrs.org/imrc2015



2015 MRS Fall Meeting & Exhibit

November 29-December 4, 2015 | Boston, Massachusetts, USA

Symposium topics include:

- ◆ Tough, Smart and Printable Hydrogel Materials
- ◆ Organic Semiconductors—Surface, Interface and Bulk Doping
- ◆ Advances in Flexible Devices for Energy Conversion and Storage
- ◆ Graphene Nanomaterials and Applications
- ◆ *In Situ* Study of Synthesis and Transformation of Materials

www.mrs.org/fall2015



MRS[®]

Career Central

The new and improved MRS Career Central is a one-stop shop for all your career development needs.

Hosted on our Career Central website, the new **MRS Job Board** is **free to job seekers**, serving as the first place to turn to find job openings in the materials science field. The Job Board allows quick and easy access to hundreds of industry-specific job postings, anonymous resume posting and job alert options to meet your specific needs.

Career Fairs at MRS Spring and Fall Meetings continue to serve as forums to expand your career or your company—providing on-site job interviews, mentoring sessions, resume critiques and mock interviews.

As part of MRS Career Central, several **Professional Development** opportunities are offered at MRS Meetings to help polish your career skills.

www.mrs.org/career-central



MRS on Social Media

The materials landscape is constantly changing. With new research, awards, publications and conferences announced daily, it's never been more vital to stay up to date. MRS makes it easy. Connect with fellow materials scientists from around the globe, talk with exhibitors that interest you and share thoughts with MRS staff through our powerful social media channels. Plus, you'll receive exclusive MRS content before anyone else.

Visit www.mrs.org/social-media today to view all of our social media channels.

Member Directory

The MRS Online Member 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.

Now you can add pictures, a short bio and links to your social media profiles, making your connections to MRS members a personalized experience. Log on today to make sure your account is up to date!

www.mrs.org/member-directory

University Chapters

University Chapters are a vital part of MRS, **facilitating discussion between students and faculty and promoting student interest in materials science**. As a student member, University Chapters give you the platform to network among 90 active Chapters from around the world, compare notes on recent activities and brainstorm with other students on new projects and issues of common concern. MRS has expanded its University Chapter Program internationally, allowing student members to connect with different regions globally, maximizing positive impact for materials research worldwide.

www.mrs.org/university-chapters

GAIN

RECOGNITION

MRS 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. www.mrs.org/awards

The **MRS Fellow** honors members who are notable for their sustained and distinguished contributions to the advancement of materials research worldwide. This designation is highly selective. The maximum number of Fellows that may be appointed in each year is limited to 0.2% of the current professional MRS membership. Nominations are due October 1 of each year.

The **Von Hippel Award** is the Materials Research Society's highest honor and 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. Nominations are due April 1 of each year.

The **David Turnbull Lectureship Award** 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. Nominations are due April 1 of each year.

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

The **Innovation in Materials Characterization Award** honors an outstanding advance in materials characterization that notably increases our knowledge of the structure, composition, *in situ* behavior under outside stimulus, electronic, mechanical, or chemical behavior, or other characterization feature, of materials. Nominations are due August 1 of each year.

The **Mid-Career Researcher Award** recognizes exceptional achievement in materials research made by mid-career professionals. This annual award is intended to honor an individual who is between the ages of 40 and 52 at the time of nomination and has demonstrated notable leadership in the materials field. Nominations are due August 1 of each year.

The **Materials Theory Award** recognizes exceptional advances made by materials theory to the fundamental understanding of the structure and behavior of materials. This award is intended to honor both those who have pioneered the development of a new theoretical approach and those who have used existing approaches to provide significant new insight into materials behavior. Nominations are due April 1 of each year.

The **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. Nominations are due August 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 Awards at the MRS Spring and Fall Meetings. Applications are due approximately five months preceding each MRS Meeting.

The **Arthur Nowick Graduate Student Award**, which honors the late Dr. Arthur Nowick and his lifelong commitment to teaching and mentoring students in materials science, recognizes a Graduate Student Award finalist who shows particular promise as a future teacher and mentor. This award is presented at each Fall Meeting.

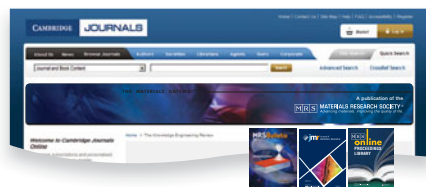
NEW AWARDS

The **MRS Postdoctoral Awards** recognize postdoctoral scholars who are showing exceptional promise that may include, for example, excellence in scientific research, leadership, advocacy, outreach, or teaching, during their postdoc assignment.

Sponsored by The Kavli Foundation, the **Kavli Early Career Award in Nanoscience** recognizes an early-career person whose research is important to nanoscience.

Publishing Opportunities

Publishing venues for MRS members include *MRS Communications*, *MRS Bulletin*, *Journal of Materials Research (JMR)*, *MRS Energy & Sustainability—A Review Journal* and the *MRS Online Proceedings Library (OPL)*. To propose a theme topic for *MRS Bulletin*, or for information on guest-editor opportunities, contact the *Bulletin* editor at rao@mrs.org. Authors wishing to submit to *JMR* should visit www.mrs.org/jmr for complete author instructions.



For information about submitting to *MRS Communications*, visit www.mrs.org/mrc. To submit a proposal to the new *MRS Energy & Sustainability—A Review Journal*, visit www.mrs.org/energy-sustainability-journal. To propose new books or other publications, contact the Principal Development Editor at fleisher@mrs.org.

In addition, the *OPL* offers opportunities to publish papers presented at MRS Meetings and other scientific and technical meetings.



Decisions made by Congress, regulatory agencies and local government have profound effects on the way in which science is conducted. By keeping decision makers well informed on the current affairs of the scientific community, MRS Congressional Science and Engineering Fellows ensure the right choices are being made. **Now's your time to make a difference!**

The Materials Research Society offers materials scientists two exciting opportunities to participate in, and contribute to, the federal policymaking process, while learning firsthand about the intersection of science and policy.

During your year as a Fellow you will:

- ♦ be placed in a specific congressional office to serve as an advisor on science-related issues
- ♦ contribute widely to the effective use of materials science knowledge in government
- ♦ broaden awareness about the value of scientist- and engineer-government interaction among society members and within government
- ♦ network with more than 250 other participants of science and technology fellowship programs
- ♦ have significant freedom to follow specific topics and issues that interest you

Information and application deadlines may be found online.

www.mrs.org/congressional-fellows

BECOME

A VITAL PART



MATERIALS RESEARCH SOCIETY
FOUNDATION

The Materials Research Society Foundation was created to enhance and expand support for projects that are important, timely and meaningful to the materials community.

Unique in several ways, the Foundation:

- advances the MRS mission to “promote communication for the advancement of interdisciplinary materials research to improve the quality of life”
- focuses on member engagement and funding to enrich, expand and ensure MRS core programs in education, outreach and peer recognition
- leverages corporate partner, institutional and individual support to invest in projects of importance to the materials community, as defined by the materials community
- benefits a wide range of innovative grassroots, member-driven initiatives—from student chapter proposals, to local or regional education/outreach projects, to those with the potential to impact the materials enterprise worldwide.

To learn how you can help make a difference or to apply for project funding, we invite you to explore the Foundation website.

www.mrs.org/foundation



Strange Matter. Green Earth.

Experience the Power of Materials for a Sustainable World—The Stuff That Matters

Strange Matter Green Earth is a new pioneering educational venture by MRS to create an international traveling science exhibition that will enable millions of people across the globe to **discover ways in which advances in materials can lead to a more sustainable future.** A team of science educators, science center professionals and materials researchers from three continents—North America, South America and Europe—is working to create an exhibition that will inform, engage, and inspire exhibition attendees about how materials profoundly influence the quality of our lives and the planet. Interactive exhibit experiences and dynamic community programs will emphasize materials, from the mundane to the mysterious, and highlight ways in which materials scientists worldwide are playing a major role in a sustainable world.

Building on the incredible success of the MRS Strange Matter traveling exhibition, Strange Matter Green Earth aims to empower the world’s citizens to make sustainable choices in their own lives and communities.

www.mrs.org/strange-matter-green-earth



MRS is partnering with faculty from engineering, liberal arts and sciences and education departments at the University of Florida to develop an introductory-level course suitable for undergraduate and community college students. **This project changes the conversation about the separation of the humanities and science fields through the creation of a collaborative, interdisciplinary, project-based undergraduate course examining the impact of materials on society.** In particular, this project brings materials science and engineering studies into dialogue with the humanities.

www.mrs.org/public-outreach-committee/#imos

Public Advocacy

MRS strives to contribute to the development of science and technology policy by responding to, and initiating, opportunities to interact nationally and internationally with government officials as well as public and private organizations. Led by the Government Affairs Committee (GAC), these efforts have been far-reaching, consistent and unbiased, building trust and respect in Washington, DC, both on Capitol Hill and within government agencies. **Ultimately, however, the key constituency is you—the MRS member—and GAC is working hard to make your voice heard!**

For 2015, MRS will continue to build on its accomplishments—strengthening relationships and building new ones through Congressional visits, establishing itself as a scientific resource for policymakers, extending its relationships with leadership in federal agencies, and collaborating in the U.S. and abroad with sister societies and other advocacy organizations when a larger voice for science is required.

www.mrs.org/advocacy



MRS plays a leading role in the Nanoscale Informal Science Education Network (NISE Network)—a program created to engage the public in advances in nanoscale research, to capture the imagination of young people who may subsequently choose careers in nanoscale science and engineering, and to foster new partnerships among research institutions and informal science centers. The NISE Network has selected March 28–April 5 for NanoDays 2015, a national week of community-based educational outreach events to raise public awareness of nanoscale science and engineering and its potential impact on the future. Visit www.nisenet.org to learn more about the NISE Network and NanoDays 2015.

www.mrs.org/NISE

strange MATTER

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, two sizes of the exhibition will tour major science centers in North America and China in 2015.

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

www.mrs.org/strangematter

Society Member Volunteers

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 committees and task forces offer members an invaluable opportunity to participate in, and influence profoundly, the operation of the Society.** If you have an interest in working on any aspect of MRS activity, contact volunteer@mrs.org.

www.mrs.org/get-involved



MRS recognizes that scientific and engineering communities must strive to become more inclusive, engaging all demographic groups, and that diversity drives innovation, excellence and new discoveries. The **MRS Diversity Statement**, which was updated in 2014, is available online.

www.mrs.org/diversity



The Science Enthusiasts web pages invite MRS membership, outreach volunteers and the general public to interact with the stimulating world of materials science by becoming Materials Science Enthusiasts—**Do Something, Learn Something, Watch Something and Get Involved.** The website contains an ever growing collection of resources for the curious learner at any age, as well as for those actively involved in public outreach.

www.mrs.org/science-enthusiasts

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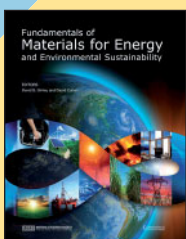
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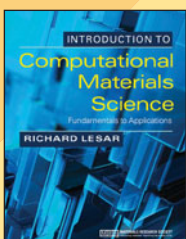
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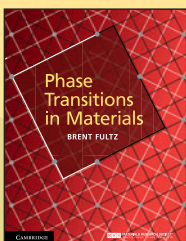
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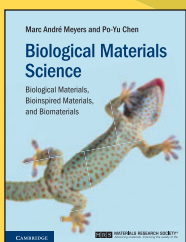
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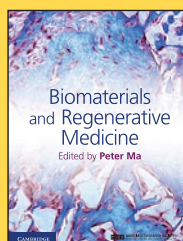
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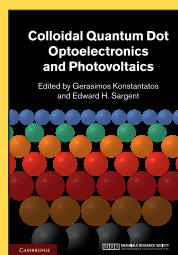
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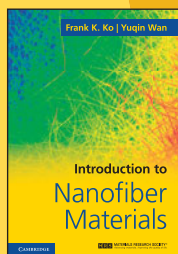
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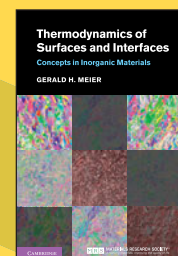
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