JOM, Vol. 64, No. 10, 2012
DOI: 10.1007/s11837-012-0445-7

2013 JOM *Technical Calendar Announced; 2013 Board Nominees Presented*

JOM Releases 2013 Technical Emphasis Calendar

Fresh off the news that its Impact Factor (IF) had experienced a significant boost—rising to a 2011 IF of 1.421 from a 2010 IF of 1.170—*JOM* announced its editorial calendar for 2013 with the intent of building on this success.

JOM takes a unique approach in technical journal publishing by devoting each issue to a theme that is explored through the scholarship of two to three technical topics. The *JOM* themes for 2013 are: Characterization and Analysis (January); Lightweight Materials (February); Mechanical Properties (March); Biological Materials (April); Light Metals Processing (May); Processing for Performance (June); Electronic and Magnetic Materials (July); Sustainability (August); Modeling and Characterization (September); Recovery and Recycling (October); Materials and Processing (November); and Energy Materials (December). Each topic within these themes is sponsored by a TMS technical committee, with a *JOM* advisor or guest editor appointed from that committee to review submitted manuscripts.

"We are very pleased with the breadth of the technical topics that we will be offering this year," said Maureen Byko, *JOM* editor. "*JOM* in 2013 will definitely be covering the waterfront of materials science and engineering and we look forward to seeing technical papers that will provide new perspectives on these issues."

Byko also noted that the credit for the scope and quality of *JOM*'s technical content goes to its editorial volunteers and experts. "The editorial calendar represents the plans of many individual committees," she said. "We absolutely could not publish this journal without their efforts and expertise."

Authors should submit their manuscripts using Springer's Editorial Manager system, which can be accessed at *https://www.editorialmanager.com/jomj/*. The current list of 2013 *JOM* topics is provided on the next page to help potential authors determine the best fit for their papers. To propose an idea for a new topic, contact Maureen Byko at mbyko@tms.org.

TYPES OF PAPERS ACCEPTED BY *JOM*

JOM contributors can select from a variety of approaches for articles that fall within the editorial calendar topics. These article approaches include, but are not limited to:

- **Overview:** 4–8 printed pages (3,200–6,400 words). A well-referenced and well-illustrated introduction to the issues affecting and recent developments occurring in a topical technology. The purpose is to thoroughly introduce the general reader to the specifics of the field.
- **Research Summary:** 3–5 printed pages (2,400–4,000 words). These papers outline recent, technically in-depth investigations in materials science and technology.
- **Applied Technology:** 2–4 printed pages (1,600–3,200 words). These articles communicate information about advancements in commercial products or processes and are typically submitted by industrial sources.
- **Design:** 2–4 printed pages (1,600–3,200 words). These articles emphasize the application of the design process in the development of a material system, process, or product.
- **Testing and Analysis:** 2–4 printed pages (1,600–3,200 words). These articles emphasize the application of analytical techniques in the study of the properties and/or performance of a material.
- **Nontechnical Feature:** 2–4 printed pages (1,600–3,200 words). These articles examine pertinent issues in education, professional affairs, government policy, economics, and other areas important to materials scientists and engineers.
- **Conference Reviews:** 1–4 printed pages (800–3,200 words). A synopsis of a recent (no more than one year from the month of publication) symposium or conference. Key, not all, presentations are briefly summarized and attributed.
- **Archaeotechnology:** 2–4 printed pages (1,600–3,200 words). These articles explore materials usage and development throughout history. They must contain new research results as well as detail on the cultural and historic context being examined.
- **Industrial Insight:** 2–5 printed pages (1,600–3,200 words). An experience-driven description of the economic, managerial, environmental, engineering, scientific, governmental, international, competitive, etc., factors that influence technology on an industrial scale.

Anyone wishing to publish in *JOM* should follow the guidelines established in the *JOM* Instructions for Authors. This material features detailed information on communication, manuscript preparation, and publication procedures. The Instructions for Authors is available at *http://www.springer.com/engineering/journal/11837*.

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HELP SHAPE THE FUTURE OF *JOM*

The foundation—and strength—of *JOM*'s technical content is built on the insights and expertise of TMS technical committee volunteers who ensure that the journal is covering the latest developments and issues in materials science and engineering.

The most direct way to shape *JOM*'s technical coverage in the future is to join one of these committees and seek an appointment as a *JOM* advisor. For additional information on TMS volunteer opportunities, visit *http://www.tms.org/volunteer/*.

JOM 2013 Editorial Calendar

(Titles in parentheses refer to TMS committees organizing the technical topics.)

THEME: CHARACTERIZATION AND ANALYSIS					
January 2013	Diffraction Studies across the Length Scales *(Mechanical Behavior of Materials)*	Integration of Multiscale Models *(ICME)*			Manuscripts Deadline: **October 1, 2012**
THEME: LIGHTWEIGHT MATERIALS					
February 2013	Modeling and Simulation in Composite Materials *(Composite Materials)*	Aluminum: Cast Shop and Alloys *(Aluminum)*			Manuscripts Deadline: **November 1, 2012**
THEME: MECHANICAL PROPERTIES					
March 2013	Interphase Defects, Structures, and Phase Stability *(Chemistry and Physics of Materials)*	Modeling Mechanical Behavior of Ultrafine-grained Polycrystals *(Nanomechanical Materials Behavior)*	Career Development for the Materials Professional *(Education)*		Manuscripts Deadline: **December 1, 2012**
THEME: BIOLOGICAL MATERIALS					
April 2013	Biological Materials Science: Fundamentals *(Biomaterials)*	Electronic, Functional and Biological Thin Films *(Thin Films and Interfaces)*			Manuscripts Deadline: **January 1, 2013**
THEME: LIGHT METALS PROCESSING					
May 2013	Aluminum: Shaping and Forming *(Aluminum)*	Titanium Joining *(Titanium)*			Manuscripts Deadline: **February 1, 2013**
THEME: PROCESSING FOR PERFORMANCE					
June 2013	Powder Materials and Processes for Enhanced Performance *(Powder Materials)*	Advances in Surface Engineering: Alloyed and Composite Coatings *(Surface Engineering)*			Manuscripts Deadline: **March 1, 2013**
THEME: ELECTRONIC AND MAGNETIC MATERIALS					
July 2013	Progress with Lead Free Solders *(Electronic Packaging and Interconnection Materials)*	The Role of Microstructure and Processing on Magnetic Properties of Materials *(Magnetic Materials)*			Manuscripts Deadline: **April 1, 2013**
THEME: SUSTAINABILITY					
August 2013	Aluminum: Recycling and Environmental Issues *(Aluminum)*	Enabling Materials Resource Sustainability *(Recycling and Environmental Technologies)*	Corrosion in Energy Production *(Corrosion and Environmental Effects)*		Manuscripts Deadline: **May 1, 2013**
THEME: MODELING AND CHARACTERIZATION					
September 2013	Modeling of Solidification across the Length Scales *(Solidification)*	Modeling on the Nucleation and Growth of Particles in Metals *(Process Technology and Modeling)*	Coherent X-ray Diffraction Imaging as a Characterization Tool *(Materials Characterization)*	Advanced EBSD Techniques and Applications *(Advanced Characterization, Testing and Simulation)*	Manuscripts Deadline: **June 1, 2013**
THEME: RECOVERY AND RECYCLING					
October 2013	Rare Earth Metals: Resourcefulness and Recovery *(Hydrometallurgy and Electrometallurgy)*	Mg Recycling: To the Grave and Beyond *(Magnesium)*			Manuscripts Deadline: **July 1, 2013**
THEME: MATERIALS AND PROCESSING					
November 2013	Aluminum: Bauxite-Alumina-Carbon-Reduction *(Aluminum)*	Advances in Refractory Metals and Alloys *(Refractory Metals)*	Recent Advances in Ab Initio Thermodynamics of Materials *(Alloy Phases)*	New Developments in Non-Ferrous Pyrometallurgy *(Pyrometallurgy)*	Manuscripts Deadline: **August 1, 2013**
THEME: ENERGY MATERIALS					
December 2013	Materials and Processes for Renewable Energy Technologies *(Energy)*	Materials in Nuclear Waste Disposal *(Nuclear Materials)*			Manuscripts Deadline: **September 1, 2013**

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TMS Presents 2013 Board of Directors Nominees

Editor's Note: In accordance with TMS bylaws, endorsed nominees for the following year's TMS Board of Directors are typically presented to the membership via the July issue of *JOM*, and TMS members are given the opportunity to propose alternative candidates for the available positions until August 15. Due to problems that greatly delayed the delivery of the print *JOM* for July, the society's normal process for presenting candidates for open positions on the TMS Board of Directors was not possible. To address this situation, all four candidates for the open board positions are presented here with a new timetable for member action. Consistent with the nomination model employed in July, any 25 members of the Society may submit, as a group, an additional nomination to the Board of Directors for one or more of the positions not later than November 15. If additional qualified nominations are not received by November 15, the 2012 TMS president shall declare the slate of nominees to be automatically elected.

Vice President

Hani Henein is a professor at the University of Alberta (UofA) and director of the university's Advanced Materials and Processing Laboratory in Edmonton, Canada. The main thrust of his research is to develop new near-net shape processing routes. Henein earned his B.S. and M.S. degrees from McGill University and his doctorate from the University of British Columbia, and he is a registered professional engineer in the Province of Alberta. He holds one patent, has published 250 papers, edited nine books, and has received numerous professional awards and honors.


Hani Henein

Henein is currently a member of the TMS Financial Planning Committee, and has served as the TMS Board director of Programming (2009–2012). He has participated in numerous TMS committees over the past 30 years.

Chair, Light Metals Division (LMD)

David DeYoung is the director, GPP Business Technology, for Alcoa. A TMS member since 1981, he received his B.S. in Materials and Metallurgical Engineering from the University of Michigan and his Ph.D. in Metallurgy from the Massachusetts Institute of Technology.


David DeYoung

As the current LMD vice chair, DeYoung has served TMS in an array of volunteer leadership positions, including chair of both the Aluminum Committee (2008–2009) and the Process Technology and Modeling Committee (1998–2000). He is also a member of the Aluminum Processing and Energy Committees, the TMS Nominating Committee, and the Brimacombe Medalist, Robert Lansing Hardy Award, and Early Career Faculty Fellow Award Subcommittee.

Chair, Materials Processing & Manufacturing Division (MPMD)

James C. Foley has been a TMS member since 1987 and has been vice chair of the MPMD division since 2010. He has also served TMS in a number of other volunteer leadership capacities, including the TMS Board director of Programming (2006–2009); chair of the Programming Coordinating Committee for the Materials Science & Technology 2006 (MS&T'06) Conference & Exhibition; and member of the TMS Nominating Committee (2009–2012.) His other volunteer contributions include TMS programming member-at-large, MPMD programming representative, and MPMD publications representative.


Jim Foley

Foley is currently the Research and Development manager at Los Alamos National Laboratory. He received his B.S., M.S., and Ph.D. degrees in Metallurgical Engineering from the University of Wisconsin-Madison. He was a postdoctoral fellow at Ames Laboratory, becoming an associate scientist at Ames when his fellowship concluded. He then moved to Los Alamos National Laboratory's Beryllium Technology Facility in 2003, and became the leader of the MST-6 Characterization and Special Projects team in 2007. His research interests encompass amorphous alloys, lead-free solder, aluminum alloys, metal matrix composites, beryllium, failure analysis, and powder metallurgy.

Chair, Structural Materials Division (SMD)

Rajiv Mishra, the current vice chair of the SMD, has been a TMS member since 1996. His volunteer leadership with TMS includes chair of the Mechanical Behavior of Materials Committee (2002–2004), as well as the *JOM* advisor (2003–2006) for that same committee. He is also an active member of the Powder Materials Committee; the ICME Committee; the Shaping and Forming Committee; and the Brimacombe Medalist, Robert Lansing Hardy Award, and Early Career Faculty Fellow Award Subcommittee. He also served on the TMS/ASM International Commission for *Metallurgical and Materials Transactions* (2004–2010).


Rajiv Mishra

Mishra is a professor in the Materials Science and Engineering Department at the University of North Texas (UNT) and the UNT Site Director of the National Science Foundation Industry & University Cooperative Research Center for Friction Stir Processing. He has received a number of awards, authored or co-authored 235 papers, holds four U.S. patents, co-edited a book, and edited or co-edited numerous TMS conference proceedings.

Mishra received his B.S. from the Malaviya Regional Engineering College, his M.S. from the Indian Institute of Technology, and his Ph.D. from the University of Sheffield. His research interests include processing and properties of ultrafine grained materials, high temperature mechanical behavior of materials, and materials selection for alternative energy systems.