

TMS Presents Board Nominees and Bylaws Change to Its Membership

Lynne Robinson

TMS members are being asked to consider two important decisions regarding the future leadership and governance of the organization. The first is the election of nominees for vacant positions on the 2014 TMS Board of Directors. The other is a change to TMS bylaws pertaining to the size of the board, as well as a few other procedural refinements.

NEW BOARD MEMBER NOMINEES

The TMS Board of Directors has selected candidates to fill positions on the 2014 board. In addition, two new division chairs are in line to be ratified by the membership. If elected, these individuals will assume responsibility at the TMS 2014 Annual Meeting & Exhibition to be held February 16 to February 20 in San Diego, California. Additional nominees may be presented to the Board of Directors by August 15, 2013. Information on alternative nominees can be e-mailed to James J. Robinson, TMS Executive Director, at robinson@tms.org.

If additional nominees are received, a majority vote of all TMS members will determine who fills the positions. If no additional nominees are received, the candidates listed within this article will automatically be elected on August 16, 2013.

The board candidates and new division chairs are as follows:

Vice President

Patrice E.A. Turchi is a distinguished member of the technical staff and group leader in the Condensed Matter

and Materials Division of the Physical and Life Sciences Directorate at the Lawrence Livermore National Laboratory (LLNL). Turchi received a Ph.D. (Thèse d'Etat) in solid-state physics and a Ph.D. (Thèse de Docteur Ingénieur) in materials science from the University of Paris VI, France, after obtaining his Engineering diploma from the National Superior School of Chemistry of Paris, also in France. He was a professor at the University Paris VI for 11 years, a visiting scientist at University of California, Berkeley for one year, and has been at LLNL for more than 27 years.

His research interests encompass computational materials science and condensed matter physics with an emphasis on alloy theory from first-principles electronic structure, and stability and physical properties of complex assemblies. His current research activities focus on ab initio studies, thermodynamics, kinetics, and microstructure evolution of complex rare-earth- and actinide-based materials. Turchi has given more than 310 presentations, including 155 invited presentations, and authored or co-authored more than 275 publications, including 50 technical reports and three book chapters. He has also edited 21 technical books and proceedings.

Turchi has been an active member of TMS for more than 25 years and has served on the TMS board as chair of



Patrice Turchi

the Electronic, Magnetic & Photonic Materials Division (EMPMD). He has also chaired the Alloy Phases Committee and various administrative committees. In addition, Turchi has been a member of several TMS technical advisory groups and was a contributor to several recent TMS reports. Turchi is currently chair of the Alloy Phase Diagram Committee at ASM International and is a member of the Alloy Phase Diagram International Commission. He is co-founder of the International Alloy Conference and organizer of 15 TMS and three Materials Research Society (MRS) symposia, six international conferences, and two Advanced Study Institutes and one Advanced Research Workshop sponsored by NATO. He has received several professional honors and awards, and is on the review board of several scientific journals.

Content Director

Eric N. Brown is the group leader for Neutron Science and Technology in the Physics Division at Los Alamos National Laboratory (LANL). This group conducts a broad program of fundamental and applied research in physics, including study of the behavior of materials under extreme dynamic conditions. His research areas include structure-property relation in polymers and polymer composites focusing on linking



Eric Brown

fracture, high strain rate, and shock behavior to atomic-level material evolution. Brown's early work included much of the pioneering research into self-healing materials. He presently serves as an associate technical editor for *Experimental Mechanics*, member of the editorial board for the *Journal of Strain Analysis for Engineering Design* and a key reader for *Metallurgical & Materials Transactions A*. Brown has a long held passion for the importance of peer review and publication in the scientific process. He also serves on committees for TMS, the American Physical Society, and the Society for Experimental Mechanics (SEM), and is the president of the board of directors for the Mechanical Science and Engineering Department at the University of Illinois.

Brown has received awards for his technical achievements in solid mechanics and materials science from TMS, the American Society for Composites, the National Nuclear Security Administration, LANL, MRS, SEM, and the University of Illinois. He has published more than 50 peer-reviewed archival works that have received more than 3,000 citations. Brown earned both his B.S. in mechanical engineering and Ph.D. in theoretical and applied mechanics from the University of Illinois at Urbana-Champaign. He joined LANL as a Director's Postdoctoral Fellow and has since held a number of positions in the Materials Science & Technology Division. From 2007 to 2009, Brown also served as the technical advisor for the Joint Department of Defense/Department of Energy Munitions Program in the Office of the Secretary of Defense.

Public & Governmental Affairs Director



Edward Herderick

Edward D. Herderick is the director of the Additive Manufacturing Consortium and a senior engineer in materials at EWI, Columbus, Ohio. In his director role, Herderick is responsible for coordinating a con-

sortium of industry, government, and academic partners and for formulating and executing EWI's strategic development plan for additive manufacturing. As senior engineer, Herderick is responsible for technical sales in the materials group and for developing, managing, and executing materials-focused projects. EWI is a non-profit research institute dedicated to advanced manufacturing and is the largest organization focused on joining and allied technologies in the western hemisphere.

Prior to joining EWI, Herderick served as a Congressional Science and Engineering Fellow, co-sponsored by TMS, The American Ceramic Society (ACerS), and MRS. In this capacity, he worked in the office of U.S. Senator Sherrod Brown as a special legislative assistant, supporting the senator's work on manufacturing, technology, and energy issues. He earned his Ph.D. from The Ohio State University in materials science and engineering.

Herderick had served as vice chair of the TMS Public & Governmental Affairs Committee until 2013, when he was appointed as chair by the TMS Board of Directors when Kevin Hemker stepped down from the position due to commitments of a new sabbatical opportunity. Herderick is currently serving out the remainder of Hemker's term.

Professional Development Director



Jeffrey Fergus

Jeffrey Fergus received a B.S. in metallurgical engineering from the University of Illinois and a Ph.D. in materials science and engineering from the University of Pennsylvania. After a postdoctoral position at the University of Notre Dame, Fergus joined the materials engineering faculty at Auburn University, where he is currently a professor. His research interests are in the high-temperature degradation of materials and materials for electrochemical devices, such as sensors, batteries, and

fuel cells.

Fergus has been a member of TMS for 24 years and has chaired both the Professional Registration Committee (2006–2008) and the Accreditation Committee (2011–2013). He represented TMS on the Engineering Accreditation Committee (EAC) from 2008 to 2013, and will begin serving on the EAC Executive Committee this year. He was also the TMS representative on the Undergraduate Education Coordinating Committee (2010–2011) and participated on the TMS ad-hoc Education Strategy Committee (2011–2012). The work of the ad-hoc committee led to establishing the Subcommittee of the Materials and Society Committee on Sustainability in Materials Education, which Fergus co-chairs. Fergus has also made numerous technical presentations at TMS meetings on topics such as chemical sensors, materials degradation, and solid oxide fuel cells and was a co-organizer for the symposium on Materials in Clean Power Systems: Durability of Materials.

TMS Director/Chair, Electronic, Magnetic & Photonic Materials Division

Roger Narayan is a professor in the Joint Department of Biomedical Engineering at the University of North Carolina and North Carolina State University (NCSU). He has authored more than 150 publications, as well as several book chapters on processing, characterization, and modeling of biomedical materials. He currently serves as editor-in-chief of *Materials Science and Engineering C: Materials for Biological Applications*. Narayan has also edited several books, including the textbook, *Biomedical Materials*, and the handbook, *Materials for Medical Devices*.

Narayan has received several honors for his research activities, including the NCSU Alcoa Foundation Engineering Research Achievement



Roger Narayan

Award, the NCSU Sigma Xi Faculty Research Award, the University of North Carolina Jefferson-Pilot Fellowship in Academic Medicine, the National Science Faculty Early Career Development Award, the Office of Naval Research Young Investigator Award, and the ACerS Richard M. Fulrath Award. He has been elected as Fellow of ASM International, the American Association for the Advancement of Science, and the American Institute for Medical and Biomedical Engineering. He is currently serving as vice chair of the EMPMD.

TMS Director/Chair, Extraction & Processing Division (EPD)

Mark Schlesinger is a professor of Metallurgical Engineering at the Missouri University of Science and Technology in Rolla, Missouri. He received his B.S. in metals engineering from that university, and



Mark Schlesinger

an M.S. and Ph.D. in materials science and engineering from the University of Arizona. His research is focused on high-temperature materials thermochemistry and extractive metallurgy. He is the co-author of *Extractive Metallurgy of Copper* (4th and 5th editions), and the author of *Aluminum Recycling* (2nd edition).

He is a former Fulbright Scholar (Sweden) and Leiv Eiriksson Fellow (Norway), and has also worked at the G.K. Williams CRC for Extractive Metallurgy in Melbourne, Australia. He is currently the vice chair of the EPD.

MEMBERSHIP VOTE ON BYLAWS CHANGE

Background

At its October 7, 2012, meeting, the TMS Board of Directors decided to consolidate the twin positions of Content Development & Dissemination Co-Director into a single Content Development & Dissemination Director position, beginning with the 2014 Board of Directors year. In light of the fact that the TMS Bylaws stipulate that the TMS Board is to consist of 15 members, the Board then considered the issue of whether the total size of the Board should consist of 14 positions going forward—requiring a change in the bylaws—or whether a new position would be created so that the number of seated Board members would remain at 15 members.

At its March 6 meeting at the TMS 2013 Annual Meeting & Exhibition, the board reviewed a number of options for creating a new 15th board position, including positions that would be focused on young professionals and diversity, materials and society issues, and strategic initiatives. The board determined while there might be merit to each of the potential positions, there was not a compelling case that necessitated the creation of a new one. The board instead determined that some flexibility in the size of the board going forward would be appropriate to allow scale up or scale down in its size, depending on prevailing circumstances. It was resolved to ask the membership to approve a change to the TMS Bylaws to allow the size of the board to consist of 13 to 15 members rather than a fixed 15 members.

On May 2, 2013, the board approved specific language to present to the membership for approval. The recommended changes include the passage concerning board size, a passage that requires the notice of the annual board business meeting to be publicized on the society web site rather than in two newspapers, and some minor typographical corrections. The specific passages are as follows, with the new language highlighted:

Existing Language

within “Section 2.2. Classes and Qualifications of Members”
Professional Member: A candidate for election as Professional

Member shall be a person of integrity actively involved as a professional with materials science, engineering, and/or application in these fields for at least 3 years following granting of at least a baccalaureate degree from a recognized university (as may be determined by the Board of Directors) in materials science, materials engineering, metallurgy, metallurgical engineering, or another science or engineering discipline related to the field. The requirement for the baccalaureate degree may be waived if the candidate possesses a minimum of 5 years experience and is a practicing professional in materials science and engineering or a closely related field. A Member has full voting privileges.

Requested Revised Language

within “Section 2.2. Classes and Qualifications of Members”

Professional Member: A candidate for election as Professional Member shall be a person of integrity actively involved as a professional with materials science, engineering, and/or application in these fields for at least 3 years following granting of at least a baccalaureate degree from a recognized university (as may be determined by the Board of Directors) in materials science, materials engineering, metallurgy, metallurgical engineering, or another science or engineering discipline related to the field. The requirement for the baccalaureate degree may be waived if the candidate possesses a minimum of 5 years experience and is a practicing professional in materials science and engineering or a closely related field. A **Professional** Member has full voting privileges.

Existing Language

within “Section 2.6 Notice”

Written notice of the date, time and place of each meeting of the members shall be given to all members of record entitled to vote at the meeting at least ten (10) days prior to the day of the meeting. Such notice shall be published in the principal periodical of the Society (currently *JOM*) and, in addition, shall be published in two newspapers of general circulation in the country in which

the registered office of the Society is located. In addition, notice may be given in any other manner permitted by the Pennsylvania Nonprofit Corporation Law.

Requested Revised Language

within “Section 2.6 Notice”

Section 2.6 Notice. Written notice of the date, time and place of each meeting of the members shall be given to all members of record entitled to vote at the meeting at least ten (10) days prior to the day of the meeting. Such notice shall be published in the principal periodical of the Society (currently *JOM*), **in addition, shall be published in two newspapers of general circulation in the country in which the registered office of the Society is located and on the Society’s website.** In addition, notice may be given in any other manner permitted by the Pennsylvania Nonprofit Corporation Law.

Existing Language

within “Section 3.3. Composition”

The Board of Directors shall consist of 15 directors with responsibilities as described in the Administrative and Policy.

Requested Revised Language

within “Section 3.3. Composition”

The Board of Directors shall consist of **13 to** 15 directors with responsibilities as described in the Administrative and Policy **Manual.**

Existing Language

within “Section 3.9. Notices”

Written notice of the date, time and place of each meeting of the Board of Directors shall be given to all directors at least two days in advance of the date thereof. Such notice shall be given by first-class mail postage pre-paid, addressed to the directors at their respective addresses or by e-mail at their respect e-mail addresses, as they appear on the records of the Corporation.

Requested Revised Language

within “Section 3.9. Notices”

Written notice of the date, time and place of each meeting of the Board of Directors shall be given to all directors at least two days in advance of the date thereof. Such notice shall be given by first-class mail postage pre-paid, addressed to the directors at their respective addresses or by e-mail at their respective e-mail addresses, as they appear on the records of the Corporation.

How to Cast Your Vote

TMS members may cast their votes using the ballot included in this *JOM* article, or by voting electronically by logging into the TMS Members-Only Web site and following the prompt to the ballot.

Voting will close September 30, 2013. If approved by a majority of the voting membership, the changes will go into effect immediately at the close of voting with the exception of Section 3.3, which will go into effect with the seating of the 2014 Board of Directors at the TMS 2014 Annual Meeting & Exhibition in San Diego, California.

TMS BYLAWS REVISION: MEMBER BALLOT

(Respond via Mail, Fax, E-mail, or Web)

I am a member in good standing, and I

- Approve** the changes to the society bylaws as described in the July 2013 edition of *JOM*.
- Do Not Approve** the changes to the society bylaws as described in the July 2013 edition of *JOM*.

Print Name _____ Signature _____

Member Number (leave blank if unsure; staff will look up) _____

Please mail, fax, or e-mail (a PDF or image file) a copy of this ballot to:

James J. Robinson, Executive Director, TMS, 184 Thorn Hill Road, Warrendale, PA 15086 USA
Fax: (724) 814-3139 • E-Mail: robinson@tms.org

Alternatively, you may cast your vote at members.tms.org/ballot (member log-in required).

*The deadline for your ballot to be received at TMS headquarters is **September 30, 2013.***

A majority of votes cast by the membership in favor of a proposal shall determine its adoption.