



TMS Board of Directors

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Professor, South Dakota
School of Mines &
Technology

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Advanced Metallurgical
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Group Leader, Lawrence
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Director, GPP Business
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Ford Motor Company

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Student Development
Scientist, Los Alamos
National Laboratory

Eric N. Brown

Director, Content
Development &
Dissemination
Division Leader,
Los Alamos National
Laboratory

Alan A. Luo

Director/Chair
Light Metals Division
Professor and Director,
Light Metals and
Manufacturing Research
Laboratory,
The Ohio State University

Presenting the 2017 TMS Board Nominees

Kaitlin McMahon

TMS board motions, minutes, and musings

This regular JOM feature offers news and perspectives on TMS governance, as well as Board of Directors activities, priorities, and decisions. To find out how you can become involved in these initiatives, contact James J. Robinson, TMS executive director, at robinson@tms.org.

The six individuals presented on the following pages will fill the vacant Vice President/President/Past President position, or Presidential Rotation, as well as five other positions on the TMS Board of Directors. The following candidates, if elected by the TMS membership, will be installed in their new positions at the conclusion of the TMS 2017 Annual Meeting & Exhibition, scheduled for February 26–March 2, 2017 in San Diego, California.

Additional nominations for these positions may be submitted for board consideration by any 25 TMS members

by August 15, 2016. Nominations for qualified individuals should be sent to James J. Robinson, TMS executive director, at robinson@tms.org, and should include the name of the nominee, the nominee's biography, and written consent to serve if elected. If additional candidates are proposed, a majority vote of TMS members will determine who fills the position. If no new nominations are received, the individuals presented in this article will automatically be elected on August 16, 2016.

The nominees for the vacant positions on the Board Directors are as follows:

Vice President

Kevin J. Hemker

Alonzo G.
Decker Chair
and Professor
of Mechanical
Engineering, Johns
Hopkins University

Kevin J. Hemker,
a professional
member since

1991, has served two terms on the TMS Board of Directors as Public & Governmental Affairs (P&GA) Director from 2008 to 2013. He has also contributed as a member of the Titanium, Strategic Planning, and P&GA committees. Currently the Alonzo G. Decker Chair and Professor of Mechanical Engineering at Johns Hopkins University, Hemker also holds joint appointments in the Departments of Materials Science and Engineering and Earth & Planetary Sciences. In 2014, he was elected as a TMS Fellow. He is also a Fellow of the American Society of Mechanical Engineers, ASM International, and the American Association for the

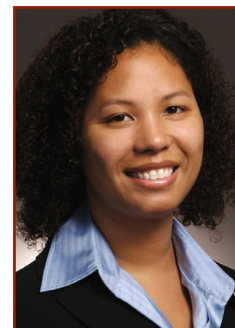


Advancement of Science.

Hemker earned his B.S. in metallurgy from the University of Cincinnati, and his M.S. and Ph.D. in materials science and engineering from Stanford University. Upon graduating, he completed a postdoctoral fellowship in physics at École Polytechnique Fédérale de Lausanne (EPFL) in Switzerland. He has also been a National Science Foundation (NSF) National Young Investigator, an invited professor at EPFL and the University of Paris XIII, and a member and vice chair of the DARPA Defense Sciences Research Council.

Content Development & Dissemination Director/Chair

Michele Manuel
Associate Professor,
Department of
Materials Science
and Engineering,
University of
Florida



Michele Manuel received her Ph.D. in materials science and engineering at Northwestern University and her B.S. in materials science and engineering at the University of Florida. As an associate professor in the Department of Materials Science and Engineering at the University of Florida, her research focuses on the use of systems-level design methods to advance the development of new materials through microstructure optimization. A TMS member since 2001, she has served on a number of technical and administrative committees for the society, most notably as the current vice chair of the Content Development & Dissemination Committee, editor of *Magnesium Technology 2015*, and as a *JOM* advisor.

Manuel is the recipient of a 2009 TMS Light Metals Division (LMD) Young Leaders Professional Development Award, a 2014 Early Career Faculty Fellow Award, and the 2014 Young Leaders TMS/Japan Institute of Metals and Materials International Scholar Award—all supported by the TMS Foundation. She has also received recognition and numerous awards from other organizations, including a Presidential Early Career Award for Scientists and Engineers (PECASE), a National Science Foundation CAREER Award, a NASA Early Career Award, an ASM Bradley Stoughton Award for Young Teachers, and an American Vacuum Society Recognition for Excellence in Leadership.

Professional Development Director/Chair

Chester J. Van Tyne
*FIERF Professor,
George S. Ansell
Department of
Metallurgical
and Materials
Engineering,
Colorado School of Mines*



Chester J. Van Tyne has been an active member of TMS since 1980. He has been an active member of the Education Committee and Professional Registration Committee, and has served as chair of the Accreditation Committee. He has also been involved with the ABET accreditation process since 1991 as a program evaluator,

team chair, and member of the Engineering Accreditation Commission.

Van Tyne earned both his undergraduate and graduate degrees from Lehigh University. In 1980, he began working as a research engineer for Bethlehem Steel, and then joined Lafayette College as an assistant professor in the Metallurgical Engineering Department. In 1984, he earned his professional engineer (PE) license in Pennsylvania. Four years later, Van Tyne joined the faculty of the Colorado School of Mines (CSM) and is currently the Forging Industry Education and Research Foundation (FIERF) Professor in the George S. Ansell Department of Metallurgical and Materials Engineering. Van Tyne has served as Associate Department Head since 2011 and teaches courses in statistical process control and design experiments, as well as forging and forming.

Public & Governmental Affairs Director/Chair

John A. Howarter
*Assistant
Professor in
Materials
Engineering,
Purdue University*



John A. Howarter is an assistant professor in materials engineering at Purdue University, with a joint appointment in environmental and ecological engineering. A TMS member since 2002, Howarter has participated in both the technical and administrative areas of TMS. His most significant involvement has been with the Public & Governmental Affairs (P&GA) Committee, where he currently serves as vice chair. In addition to working with P&GA, he is a regular contributor to the technical programming for both the TMS annual meeting and Materials Science and Technology (MS&T) conferences. He was also a member of the organizing committee for the REWAS 2016 symposium held in conjunction with the TMS 2016 Annual Meeting & Exhibition. In 2015, Howarter received a TMS Extraction & Processing Division (EPD) Young Leaders

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Jeffrey Fergus
Director, Professional
Development
*Professor, Auburn
University*

Corbett C. Battaile
Director/Chair
Materials Processing &
Manufacturing Division
*Principal Member of
Technical Staff,
Sandia National Laboratory*

Edward D. Herderick
Director, Public &
Governmental Affairs
*Additive Technologies
Leader, GE Corporate*

Ellen K. Cerreta
Director/Chair
Structural Materials
Division
*Group Leader,
Los Alamos National
Laboratory*

Srinivas Chada
Director, Programming
*Component Packaging
Engineer,
Schlumberger HFE*

Roger Narayan
Director/Chair
Functional Materials
Division
*Professor,
University of North
Carolina and North
Carolina State University*

Mark E. Schlesinger
Director/Chair
Extraction & Processing
Division
*Professor, Missouri
University of Science and
Technology*

James J. Robinson
Secretary
TMS Executive Director

Professional Development Award.

Since 2014, Howarter has served as the chapter advisor for the Purdue University Material Advantage student organization. He earned his B.S. from The Ohio State University and his Ph.D. from Purdue, both in materials engineering. From 2009 to 2011, he was a National Research Council postdoctoral scholar in the Polymers Division of the National Institute of Standards and Technology.

Extraction & Processing Division (EPD) Chair

Cynthia K. Belt

Energy Management Consultant, Metals Energy Management LLC



Cynthia K. Belt has developed and managed energy programs at Kaiser Aluminum, Superior Industries, and Aleris International, and now works as a consultant. She has published 17 papers in the area of energy management and has co-edited several proceedings in energy and recycling, including the TMS *Energy Technology* proceedings. Belt is the former chair of the TMS Energy Committee, has been an active member of the Recycling & Environmental Technologies and Materials & Society committees, and served as a TMS representative to the Carbon Management Technical Conference Committee. Currently, she is the vice chair of the EPD Council. She has also served on both the EPD and LMD Councils in her more than 10 years as a TMS member. Outside of TMS, Belt is involved in numerous energy and service groups, including the American Foundry Society (AFS) and the American Society for Mechanical Engineers (ASME).

In 2012 she received the LMD

Distinguished Service Award, and then earned the 2013 Energy Best Paper Award along with her co-authors for “Energy Opportunities in the Aluminum Processing Industry,” published in *Energy Technology 2012*. Belt earned her B.S. in mechanical engineering from Ohio Northern University and is a trained Six Sigma Black Belt.

Functional Materials Division (FMD) Chair

Raymundo Arróyave

Associate Professor, Department of Materials Science and Engineering, Texas A&M University



Raymundo Arróyave received his B.S. in mechanical and electrical engineering from the Instituto Tecnológico y de Estudios Superiores de Monterrey in Mexico. He then earned his M.S. in materials science and engineering and his Ph.D. in materials science from the Massachusetts Institute of Technology. After a postdoctoral appointment at Pennsylvania State University, he joined the Department of Mechanical Engineering at Texas A&M University (TAMU) in 2006. Since 2013 he has been a faculty member of the newly created Department of Materials Science and Engineering at TAMU.

In 2014 he received the Electronic, Magnetic & Photonic Materials Division (EMPMD; now Functional Materials Division) Distinguished Service Award and the EMPMD Young Leaders Professional Development Award in 2006. In more than 10 years of TMS membership, Arróyave has served as chair of the TMS Alloy Phases Committee as well as the current vice chair of the FMD Council, and as a member of many other technical and administrative committees, including the ICME and Professional Development committees. In addition to chairing symposia at TMS annual meetings and MS&T conferences, he co-organized the 2015 TMS Middle East – Mediterranean Materials Congress on Energy and Infrastructure Systems.

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