



The individuals highlighted in the following pages have been nominated to fill the following open positions on the TMS Board of Directors: Vice President/President/Past President (the three-year Presidential Rotation); Membership & Student Development Director; and three technical division chair positions.

These candidates, if elected by the TMS membership, will be installed at the conclusion of the TMS 2022 Annual Meeting & Exhibition (TMS2022), scheduled for February 27–March 3, 2022, in Anaheim, California.

Additional nominations for these positions may be submitted for Board consideration by any 25 TMS members by August 15, 2021. Nominations for qualified individuals should be sent to James J. Robinson, TMS Executive Director, at robinson@tms.org, and should

include the nominee's name, 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 named in this article will be automatically elected on August 16, 2021.

Many board leaders began as members of a TMS technical committee. If you aspire to Society leadership, find out more about how you can get involved today. Visit the TMS Divisions & Committees web pages at www.tms.org/Committees to choose the technical committee that best matches your interests and contact the chair about becoming a member. Committee membership is open exclusively to TMS members.

The nominees for the open positions on the 2022–2025 TMS Board of Directors are:



Vice President **Brad L. Boyce** *Sandia National Laboratories*

Brad L. Boyce is a distinguished member of the technical staff at Sandia National Laboratories. Boyce received a B.S. degree from Michigan Technological University in 1996 in metallurgical engineering

and M.S. and Ph.D. degrees in 1998 and 2001 from the University of California, Berkeley.

He joined the technical staff at Sandia in 2001, where his research interests lie in micromechanisms of deformation and failure. He was promoted to principal member of the technical staff in 2005 and received the distinguished appointment in 2015. In 2017, Boyce also joined the Center for Integrated Nanotechnologies in the in-situ characterization and nanomechanics thrust.

He has published over 140 peer-reviewed articles and holds five U.S. patents on topics such as microsystems reliability, nanoindentation, fracture in structural alloys, weld metallurgy, and fatigue mechanisms. Boyce is a past recipient of the Hertz Foundation Fellowship, the TMS

Brimacombe Medal, the TMS Structural Materials Division Young Leaders Professional Development Award, and the Marcus A. Grossman Young Author Award.

Over the past 20 years, he has served in numerous volunteer capacities for TMS. He has organized or co-organized 10 technical symposia and has served as a topic editor for *JOM*, as well as a key reader for *Metallurgical and Materials Transactions*. In addition, he has chaired the TMS Mechanical Behavior of Materials Committee and the Programming Committee. He has served on the TMS Board of Directors, the TMS Foundation Board of Trustees, and on numerous other committees, both technical and functional.

Outside of TMS, he has also been substantially involved in several other societies. His vision for TMS includes staying true to TMS's core strengths while also being innovative, especially in light of the global pandemic, as constraints on travel continue to evolve.

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**Membership & Student
Development Director
Viola L. Acoff**

The University of Alabama

Viola L. Acoff is the associate dean for undergraduate and graduate programs in the College of Engineering at The University of Alabama (UA). She is also a full professor of metallurgical engineering and has been on the UA faculty since 1994.

Acoff received her B.S., M.S., and Ph.D. in materials engineering from the University of Alabama at Birmingham. Her areas of expertise are additive manufacturing, welding metallurgy, physical metallurgy, and materials characterization. She has been awarded more than \$13 million in research grants, including a National Science Foundation (NSF) CAREER Award.

She has more than 25 years of experience in increasing the number of STEM degrees awarded to students from groups underrepresented in the STEM fields. Since 2015, Acoff has led the Alabama Louis Stokes Alliance for Minority Participation Program, which is a statewide effort funded by a \$5 million grant from the NSF. Acoff has published over 80 peer-reviewed papers and given over 100 talks on her research on every continent except Antarctica.

Acoff has served for more than 25 years in various volunteer aspects of TMS. This includes organizing symposia for technical and functional committees, serving on the Nominating Committee and on the TMS Foundation Board of Trustees. Acoff was also named the inaugural recipient of the TMS Ellen Swallow Richards Diversity Award. In August 2020, she was appointed to chair the TMS Public & Governmental Affairs Subcommittee on Racial Justice. She has also been active with ASM International and the American Welding Society.

Her vision for TMS is for the Society to enhance the programs and activities that are currently in place for membership and student development, with emphasis on groups that are underrepresented in our field, so that the Society can be prepared to address the changing demographics that lie ahead in the United States.

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**Light Metals
Division Chair
Edward Williams**
***Arconic Technology
Center***

Eddie Williams is manager of the Molten Metal Group at the Arconic Technology Center. He is responsible for research and development and global Arconic plant support work pertaining to aluminum ingot

plant technology, including ingot casting, solidification technology, recycling, melting, metal treatment, and continuous casting. Prior to becoming manager, Williams worked in a variety of roles in aluminum casting technology, including aluminum recycling, continuous casting, molten metal treatment, and capital expenditure (capex) project engineering.

He came to Alcoa in 2000 with the acquisition of

Reynolds Metals Company, where he had been working as a research engineer in Casting Technology since 1994. He worked at the Alcoa Technical Center (ATC) for two years in casthouse R&D before transferring to the Warrick ingot plant in 2002. There he worked as a project engineer, installing capital equipment and making process improvements in the cast house. He transferred back to ATC into the R&D organization in 2005 and then managed the Casting Technology Division starting in 2011. Since 2015, he has supported the Arconic global casthouse network and the R&D organization.

Williams has been a member of TMS since 1999, with nine publications in *Light Metals*. He was a Cast Shop session chair in 2009, full Cast Shop symposium chair in 2014, and chair of the Aluminum Committee and *Light Metals 2016* editor in 2016. He was a recipient of the 2000 TMS Light Metals Award for his paper entitled, “Removal of Alkali Metals from Aluminum.”

Williams completed his B.S. and then M.S. degrees in mechanical engineering from Virginia Polytechnic Institute and State University in 1992 and 1994.



Materials Processing & Manufacturing Division Chair

Paul Mason

Thermo-Calc Software Inc.

Paul Mason graduated in 1989 from South Bank University in London, U.K., with a B.Sc. (Hons) degree in physical sciences and scientific computing. Upon graduation, he joined the Atomic Energy

Research Establishment at Harwell and worked on materials R&D issues with applications to civil nuclear power, particularly at high temperatures. Mason began his career as an experimentalist and then transitioned into the modeling realm where he began to apply computational thermodynamics as a predictive tool for materials behavior as well as managing multi-disciplinary programs that combined modeling and experimental work.

Throughout his career, Mason has been a passionate advocate for the use of computational tools in materials design and engineering and their ability to drive innovation and productivity in the materials industry. In 2004, Mason was appointed president of Thermo-Calc Software Inc. when Swedish based Thermo-Calc Software AB started a U.S. subsidiary to serve the North American region.

Mason has been a member of TMS since 2003. He

has served on the Computational Materials Science and Engineering Committee since 2008 and has been a member of the Integrated Computational Materials Engineering (ICME) Committee since its inception in 2009. He served as chair of the ICME Committee from 2014 to 2016 and was also chair of the organizing committee for the 4th World Congress on ICME in 2017.

Mason has been a member of the TMS Materials Processing & Manufacturing Division (MPMD) since 2012. He has served on both the Public & Governmental Affairs Committee and the Industrial Advisory Committee.

Additionally, Mason has been a member of the editorial board for *Integrating Materials and Manufacturing Innovation (IMMI)* since 2011, represented TMS at a Congressional visit, has been a team member on three TMS ICME-related projects, and has served as an instructor in several TMS-related short courses.

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Structural Materials Division Chair

Suveen Mathaudhu

Colorado School of Mines

Suveen Mathaudhu is a professor in the Metallurgical and Materials Engineering Department at the Colorado School of Mines. Via a joint appointment, he also serves as a chief scientist at the U.S. Department of Energy’s Pacific

Northwest National Laboratory.

Mathaudhu has been a member of TMS since 2000 and currently serves as the vice-chair of the Structural Materials Division (SMD). He has served as chair of the Light Metals Division’s Magnesium Committee and SMD’s Mechanical Behavior of Materials Committee, serving terms on the respective councils in both roles. He has been an active member on many other technical committees and co-programmed dozens of symposia. Other service has included participation in the Content Development and Dissemination Committee, Programming Committee, and ASM/TMS Distinguished Lecture Selection Committee. He was also advisor to the

Materials Explorers Committee.

Mathaudhu’s career trajectory has spanned diverse roles, with his primary areas of interest centering around powder and deformation processing of metallic alloys and composite materials with foci on nanocrystalline materials, lightweight alloys and refractory metals, materials science education and outreach, and advocacy for diversity and inclusion in STEM. Prior to Colorado School of Mines, Mathaudhu was a professor and chair of the MSE Program at the University of California, Riverside (2014–2021); a program manager at the U.S. Army Research Office, Materials Science Division (2010–2014); and a postdoc and then materials engineer at the U.S. Army Research Laboratory, Weapons and Materials Research Directorate (2006–2010).

Some recognitions Mathaudhu has earned include the 2015 American Association of Engineering Societies Norm Augustine Award for Outstanding Achievement in Engineering Communication; 2015 ASM Fellow; 2016 National Science Foundation CAREER Grant; 2019 Presidential Early Career Award for Scientists and Engineers Award; and 2021 TMS Brimacombe Medal. Mathaudhu received his B.S.E. from Walla Walla University, and his M.S. and Ph.D. degrees from Texas A&M University, all in mechanical engineering.



2021 TMS Board of Directors

The current members of the TMS Board of Directors, installed at the conclusion of the TMS 2021 Virtual Annual Meeting & Exhibition in March, are:

OFFICERS

President

Ellen Cerreta

Division Leader, Los Alamos National Laboratory

Vice President

W. Jud Ready

Principal Research Engineer, Georgia Institute of Technology

Past President

Thomas Battle

Extractive Metallurgy Consultant

Financial Planning Officer

Charles H. Ward

Chief of the Manufacturing and Industrial Technologies Division, U.S. Air Force Research Laboratory's Materials and Manufacturing Directorate

TMS Secretary (non-voting)

James J. Robinson

Executive Director, TMS

FUNCTIONAL AREA DIRECTORS

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Professor, University of Alabama at Huntsville

Membership & Student Development Director/Chair

Alexis C. Lewis

Deputy Division Director, National Science Foundation

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Programming Director/Chair

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Associate Professor, University of California, Irvine

Public & Governmental Affairs Director/Chair

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Light Metals Division Director/Chair

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Technology Development Manager, Tungsten Heavy Powder & Parts

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Mark R. Stoudt

Materials Research Engineer, National Institute of Standards and Technology

Structural Materials Division

Daniel Miracle

Senior Scientist, Air Force Research Laboratory

