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Meet the New TMS Board of Directors Members

Kaitlin McMahon

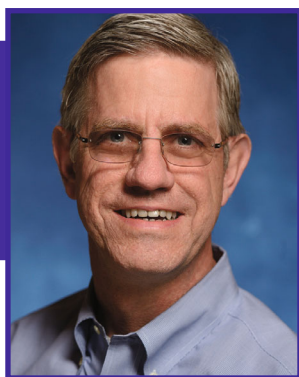
TMS board motions, minutes, and musings

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.

TMS is a society of science, engineering—and most importantly—of people. Critical to fulfilling its mission of advancing the minerals, metals, and materials professions is the expansive, collaborative network of TMS members that has both welcomed newcomers into the fold and compelled others to stay involved throughout their lives. “This sense of community that keeps many people like me engaged with the society is a product of the care and effort that members have put in over decades to ensure TMS’s place as one of the most engaging and dynamic

professional societies in the materials field,” said Raymundo Arróyave, associate professor, Department of Materials Science and Engineering, Texas A&M University and incoming Functional Materials Division Chair.

The stories of the six incoming TMS board members presented in this article all echo that sense of community as they reflect on the inspirations and influences that first introduced them to the society. They will officially be installed at the TMS 2017 Annual Meeting & Exhibition, February 26–March 2, 2017, in San Diego, California.



Kevin J. Hemker 2017 Vice President

“TMS has provided the community and leadership opportunities that have allowed me to grow into the professional that I am today.”

organize symposia, and become TMS Young Leaders.”

Over the years, Hemker has served two terms on the Board of Directors (as Public & Governmental Affairs Director/Chair from 2008 to 2013), organized numerous TMS conferences and symposia, and participated as a member of several technical and administrative committees. Through these experiences, he notes that “TMS has provided the community and leadership opportunities that have allowed me to grow into the professional that I am today.” In his new position within the society, he is “looking forward to joining the presidential rotation and working with the Board of Directors, TMS staff, and volunteers to help the society maintain its position as one of the very best materials

As a student in 1984, Kevin Hemker, Alonzo G. Decker Chair and professor in the Departments of Mechanical Engineering, Materials Science & Engineering, and Earth & Planetary Sciences at Johns Hopkins University, met his Ph.D. advisor at the TMS-AIME Fall Meeting in Detroit, Michigan, and has been a TMS member ever since. More than 30 years and 70 master’s, doctoral, and postdoctoral students later, Hemker “is delighted” to bring his own students to TMS annual meetings and to “cheer them on as they give their first talks, join committees, meet future employers,

science and engineering societies in the world.”

“Global issues related to energy and the environment, manufacturing innovation, communications, human health, and national security are transforming the world in which we live. These are all

engineering problems in which materials are critical,” Hemker reflected.

“I am convinced that there has never been a better time to be an engineer. What more could an engineering society that sees ‘problems’ as ‘opportunities’ ask for?”



Michele Manuel

2017–2020 Content Development & Dissemination Director/Chair

“I want to bring new and fresh ideas into the society and build upon what I believe to be an already outstanding infrastructure of volunteers, staff, and students.”

“I was inspired as a student to participate and volunteer with TMS,” said Michele Manuel, professor, Department of Materials Science and Engineering, University of Florida. Manuel has been involved with TMS as a *JOM* advisor and editor of *Magnesium Technology 2015*, in addition to her service on multiple administrative and technical committees. She was also awarded a TMS Light Metals Division Young Leaders Professional Development Award, an Early Career Faculty Fellow Award, and a TMS/Japan Institute of Metals International Scholar Young Leaders Award. “Receiving these prestigious awards and having the ability

to represent the society in Japan was a tremendous experience. The activities that I have been involved with at TMS have been professionally and personally enriching and fulfilling,” Manuel stated. “My hope is that I can help others gain a similar experience and appreciation for the society.”

In her new position on the board, Manuel commented that she is “looking forward to working with the TMS leadership and the field to create significant scientific and societal impact.” She continued, “I want to bring new and fresh ideas into the society and build upon what I believe to be an already outstanding infrastructure of volunteers, staff, and students.”



Chester J. Van Tyne

2017–2020 Professional Development Director/Chair

“I look forward to interacting with high quality people on the board to make TMS a better society.”

Chester J. Van Tyne, FIERF Professor, George S. Ansell Department of Metallurgical and Materials Engineering, Colorado School of Mines, has been involved with TMS since his undergraduate days at Lehigh University.

“The opportunity to network with others in the materials field and being involved with the academic accreditation process are the two main reasons why I have remained active in TMS since the early days of my career.” Van Tyne noted. Over the years, he has served TMS as chair of the Accreditation Committee, while also serving the profession as a program

TMS Board of Directors

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University of North Carolina and North Carolina State University

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Extraction & Processing Division
Professor, Missouri University of Science and Technology

James J. Robinson

Secretary
TMS Executive Director

evaluator for the ABET accreditation process. “These interactions have allowed me to be a better educator and bring some great ideas back to my institution,” he said of his experiences as an ABET evaluator. “TMS has been and continues to be one of the best and most innovative professional societies in the ABET accreditation process. It is great to go to an ABET meeting and state that I am from TMS, and have others know and acknowledge the quality of our professional society.”

“Engineering materials are critical in helping to improve the quality of life for people around the globe,” Van Tyne added, looking toward the future of his term on the board and of the minerals, metals, and materials community as a whole. “If we can develop or help develop cost effective materials that serve others, I will continue to be pleased and proud of my membership in TMS. I look forward to interacting with high quality people on the board to make TMS a better society.”



John A. Howarter

2017–2020 Public & Governmental Affairs
Director/Chair

“TMS is an extremely welcoming community. As my career matured, I was able to better understand the big picture of how professional societies work, especially the importance of member-volunteers.”

“My first introduction to TMS was as an undergraduate materials science

and engineering student,” said John A. Howarter, assistant professor, materials engineering at Purdue University. “One of my professors was recruiting students to get involved in the professional society, and it sounded like a good idea.” For Howarter, this actually turned out to be a great idea. “TMS is an extremely welcoming community. As my career matured, I was able to better understand the big picture of how professional societies work, especially the importance of member-volunteers,” he said. Throughout his membership in TMS, Howarter counts attending the Congressional Visit Days—both as a Material Advantage faculty advisor and as a member of the Public & Governmental Affairs (P&GA) Committee—as a highlight. He also appreciates “meeting and talking with students who are attending their first meeting; it brings back a lot of positive memories, and their excitement is contagious.”

In terms of what he hopes to accomplish as a board member, Howarter pointed to focusing on the P&GA Committee’s mission. “I feel that the committee expects a lot of its members, but it works because the volunteers are passionate about different aspects of our mission.” For example, he wishes to more clearly define

TMS Strategic Plan Update

The TMS Board of Directors approved several tactical refinements to the TMS 2018 strategic plan at its meeting on October 23, 2016. These adjustments were initially identified and developed during the Board’s strategic planning retreat in July.

While the Board reviewed the entire strategic plan to ensure its relevance and progress, the primary focus of the work at the retreat was strengthening international outreach and activities.

The overarching goals themselves remain unchanged and are:



Advance diversity and inclusion in the minerals, metals, and materials professions



Accelerate industrial engagement in TMS



Globally expand the portfolio of TMS international activities



Advance materials solutions for energy and environmental challenges



Be the natural home and advocate for materials and manufacturing innovation

For additional information on the 2018 TMS strategic goals, visit the TMS website at www.tms.org.

TMS's relationship with the U.S. Congress, potentially using different tactics. "Members may occasionally see surveys from us regarding when and how TMS should

engage in policy. This is a new frontier in many ways, and I have a deep interest in seeing TMS become more deliberate and strategic in using our voice in Washington, D.C."



Cynthia K. Belt

2017–2020 Extraction & Processing Division (EPD) Chair

"One of the reasons I'm involved is to represent members who aren't normally on the Board of Directors...I hope to provide input to help these groups."

For Cynthia K. Belt, energy management consultant, Metals Energy Management LLC, the encouragement to get involved in the society came from her peers in industry, who helped and encouraged her to write papers for TMS. "Writing papers has helped my career immensely. As I published more papers in my field, my résumé stood out from others, and several job contacts resulted from these papers," she said. Belt then expanded her networking opportunities by organizing symposia and workshops, and joining technical committees. "I met people in other fields and obtained experience I wouldn't necessarily get at work.

This wouldn't have been possible without TMS."

Belt noted that serving on the board as the EPD Chair was a natural next step. "One of the reasons I'm involved is to represent members who aren't normally on the Board of Directors," Belt explained. "I don't have a Ph.D., my background is industry, and I'm a semi-retired consultant. These are all groups that are big within our membership, but don't have as high a percentage on our board. I hope to provide input to help these groups." She also expressed her enthusiasm for her upcoming role: "TMS is very open to new ideas, and there are a lot of new ideas being considered in the next few years that excite me." She also added that "another reason I decided to lead the EPD Council is because they are a great group of people and it is fun!"



Raymundo Arróyave

2017–2020 Functional Materials Division (FMD) Chair

"Being a member of TMS has given me a sense of belonging. Whenever I go to TMS meetings, regardless of where they are held, I always feel that I am coming home."

"What has kept me so involved with TMS is the fact that TMS puts people first," said Raymundo Arróyave, associate professor, Department of Materials Science and Engineering, Texas A&M University. "Being a member of TMS has given me a sense of belonging. Whenever I go to TMS meetings, regardless of where they are held, I always feel that I am coming home." Throughout his membership in the society, Arróyave has been actively involved as a technical committee member, Young Leaders awardee, and organizer of various symposia, workshops, and conferences. "These experiences were highly informative because I was able to interact with TMS members (and staff) from other divisions, which gave me a broader view of what TMS is about."

These kinds of collaborative efforts are important to Arróyave, as he noted how his own career has been impacted as the recipient of various TMS awards. "TMS activities are always done in collaboration and whatever good happens, happens because we are a community that is bigger than the sum of our individual contributions."

As a member, Arróyave has been grateful for past opportunities to contribute to the technical program at TMS conferences. With this new position on the board, Arróyave is looking forward to new opportunities to contribute to the society. "I am highly encouraged by TMS's renewed interest to increase our international engagement, reinforce our professional development activities, and its emphasis on promoting diversity of all kinds across the society," he said. "However, much work remains to be done in order for TMS to be truly representative of the professions that we serve. I hope that I can contribute to TMS's impact on the profession, as well as society."