



Don't Wonder What You'll Miss: The 2015 TMS President on What's Ahead for Members

Patrice Turchi

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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.



Patrice Turchi
2015 TMS President

I am not the typical materials scientist, by some definitions. Born and educated in France, I am considered a physicist, but materials science is where I get my inspiration. I've been

fortunate to have been able to follow that interest to my current position of senior scientist, Materials Science Division (MSD), Physical and Life Sciences Directorate, Lawrence Livermore National Laboratory (LLNL).

An important step on this journey was attending my first TMS annual meeting shortly after I started working for LLNL, about 30 years ago. The programming was useful and stimulating, yes. But most importantly, I found a professional home that suited my diverse interests and unique point of view.

When I reflect on who exactly is a TMS member, it's clear that few of the nearly 13,000 of us could be considered typical. Our educational backgrounds encompass

nearly every conceivable science and engineering discipline. We represent more than 94 nations on every inhabited continent. And while there is still much work to do, our membership demographics indicate that we are making progress on counting more women and underrepresented minorities among our ranks. What ties us together is our shared passion for extracting, processing, developing, and producing the materials that society needs to advance.

TMS has always been about building a professional community, based on an infinite variety of perspectives. That's one of its particular strengths, and I believe is also why our membership has grown steadily over the last several years.

In the last month, you have received e-mails from TMS about renewing your membership, and continuing to contribute your unique talents to the advancement of our profession. I encourage you to not delay in your response. With the adoption of its 2018 Strategic Plan, TMS is building on its tradition of bridging the many facets of the minerals, metals, and materials community so that anyone who joins TMS will find value and enrichment. I am particularly pleased about the following initiatives planned for the near future, framed within TMS's current strategic goal concepts.



Diversity and Inclusion

TMS is organizing the second installment of the Diversity in the Minerals, Metals, and Materials Professions (DMMM2) summit for July 25–27, 2016 at Northwestern University, Evanston, Illinois. We have a number of other

initiatives being developed, as well, that are looking at ways to involve more diverse groups in our profession, and to raise awareness about the need to do so. The TMS Diversity Committee, previously the Women in Materials Science and Engineering Committee, has the lead on many of these.



Industrial Engagement

TMS is fortunate to have an extremely active group of volunteers involved in the planning and preparation of a variety of professional development opportunities designed to meet the needs and interests of our members working in industry. These range from convenient, high-level webinars to intensive multi-day courses that build skills for application in specific work settings.

In addition, I am pleased that David DeYoung, Director of Research and Development, Global Primary Products, Alcoa, has been elected to begin the TMS presidential cycle in 2016 as vice president. A highly regarded leader in industry, Dave has a number of ideas for strengthening TMS's support of its industrial members. I think the next few years are shaping up to be quite exciting, in that regard.



International Activities

A particular focus for me as the 2015 president has been to ensure that the benefits of TMS membership have impact around

the globe. An important strategy for accomplishing this has been the creation of high-quality technical meetings with international partner societies. One initial step in this direction was the Pan American Materials Conference established by TMS and Brazil's Associação Brasileira de Metalurgia, Materiais e Mineração in 2010. The third installment of this well-received meeting will be held in conjunction with the TMS 2017 Annual Meeting & Exhibition, with the participation of several other materials societies from throughout the Pan American region. That annual meeting will also welcome Energy Materials 2017, organized collaboratively with TMS and the Chinese Society for Metals. TMS is also a co-organizer of the 9th Pacific Rim International Conference on Advanced Materials and Processing (PRICM9), slated for Kyoto, Japan, August 1–5, 2016.

That's just a few of the internationally focused programs that TMS is currently developing. Not only do TMS members have the chance to help organize these efforts and present their work, the member discounts on meeting registrations also make participation more affordable.



Making plans for PRICM9 in 2016 are (left to right): Hani Henein, TMS appointee to the PRICM International Advisory Board; Elizabeth Holm, TMS appointee to the PRICM International Advisory Board; James J. Robinson, TMS Executive Director; George T. "Rusty" Gray III, TMS In-Country Representative; Tadahashi Furuhashi, Japanese Institute of Metals and Materials (JIM) In-Country Representative and Conference Chair; Jian-Feng Nie, Materials Australia appointee to the PRICM International Advisory Board; Sung-Joon Kim, Korean Institute of Metals In-Country Representative; and Yoshimasa Kajiwara Former Secretary General of JIM, the PRICM9 host society.

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Secretary
TMS Executive Director



Participants in the first TMS Diversity Summit in 2014 laid the groundwork for further development of resources and community building activities on diversity and inclusion issues at DMMM2 in 2016.



Energy and Environmental Challenges

Finding solutions to the world's energy and sustainability problems requires a multidisciplinary approach well-suited to TMS's ability to convene the broader minerals, metals, and materials community around common problems. As a TMS member, you have a number of avenues for engaging on this topic, from volunteering on one of our relevant technical committees to accessing, for free, some of the latest work in the field through the library of TMS journals. These include two new publications—*Journal of Sustainable Metallurgy* and *Metallurgical and Materials Transactions E*—focused exclusively on energy and sustainability topics.

TMS Seeks Board Nominations for 2017–2020

TMS is accepting nominations for four Board of Directors positions for the 2017–2020 term until January 4, 2016. The open positions are: Vice President/President/Past President (also known as the presidential cycle); Professional Development; Content Development and Dissemination; and Public and Governmental Affairs.

To access complete job descriptions and qualifications for each office, as well as the Nominee Statement Form and nomination instructions, log on to the TMS Members Only home page and navigate to “Submit Board Nominations.” For additional information, contact Nancy Lesko, TMS Executive and Board Administrator, at nlesko@tms.org.



Materials and Manufacturing Innovation

TMS has established itself as a clear leader in advancing an integrated approach to materials and manufacturing innovation. We are also well on our way to securing the same position in the rapidly evolving field of additive manufacturing. I believe that our members involved in these very specific fields have benefitted from the commitment that TMS has made to offer them a place to network and learn from those with similar interests.

TMS has also gained recognition for its success in bringing together the science and engineering community to produce important road mapping studies on materials and manufacturing innovation topics, such as the *Modeling Across Scales* report that was released in June.

Being part of an organization that prides itself on creating a forum where new ideas can grow is not only exciting, but beneficial in refining your own work and career direction.

There are many other tangible benefits of TMS membership that do not fit exactly under these strategic goal categories. And there are quite a few intangible ones that probably vary from person to person.

I can point to one constant, however. TMS is a growing, dynamic, forward-thinking organization that derives its strength and best ideas from its members—the people who know our field best. On this point, I would like to emphasize that attending a TMS conference is not just about presenting a paper. You also have the opportunity to network and exchange ideas with your peers, all in a friendly atmosphere. I also encourage you to enhance your professional universe by participating on one of TMS's technical committees—covering core competencies from throughout the materials life cycle—as well as administrative committees that focus on issues of importance to the field.

I know there are great things ahead for TMS. I would definitely not want to miss a moment of it. When you get that next e-mail about renewing your TMS membership, I hope you feel the same.