

*Updates on friends and colleagues in the materials community*

## Annual Meeting of the Membership Available Online

TMS members can now view and listen to the presentations offered at the first Annual Meeting of the Membership at their convenience. Originally recorded at the TMS 2011 Annual Meeting & Exhibition in San Diego, the presentations have been posted on the TMS Members Only homepage, as well as on **MAUREEN: PLACE THE URL.**

Highlights of this new online resource include:

- A presentation on TMS's current financial position and status by Stanley M. Howard, TMS Board of Directors financial planning officer. (For additional information on the TMS financial report, read Howard's Society Perspective on page 12 of this issue.)
- Discussion of the roadmap on enhanced volunteerism that will serve as TMS's strategic path forward toward being an even more volunteer-centric society.
- An update on the Alliance of Americas, highlighting signed agreements with Associação Brasileira de Metalurgia, Materiais e Mineração (ABM) and the Canadian Institute of Mining, Metallurgy, and Petroleum Engineers (MetSoc), as well as the formation of the North American Extractive Metallurgy Council.
- Reports on TMS Energy initiatives and Materials and Society Committee activities, including the development of a new Carbon Management Technology conference with seven partner societies and collaborations with several university centers.
- An overview of TMS's updated and expanded awards program.
- Introduction of the new Content Development and Dissemination Committee that will lead TMS's strategic planning for content and information capture.

Other presenters at the meeting included Garry Warren, 2011 TMS president, George T. "Rusty" Gray III, 2010 TMS president, and Warren Hunt, Jr., TMS executive director.



### ABM Offers Affiliate Membership to TMS Members

The Associação Brasileira de Metalurgia, Materiais e Mineração (ABM) has announced that it is offering full membership to TMS

members for the remainder of 2011 for \$52. Benefits include:

- A subscription to ABM's magazine, *Metallurgy, Materials and Mining*, published six times a year.
- Discounts on ABM courses, seminars, and conferences.
- Access to surveys conducted by ABM's Metallurgical Information Center and ABM publications.
- Opportunities for industry acknowledgement through the ABM Awards Recognition Forum, sponsored by business associates and partners. Awards are made to the authors of the best papers presented at ABM events.

Don't miss this opportunity to network with and learn from mining and metal professionals from Brazil and throughout the world. To find out more about affiliate membership with ABM, log on to the TMS Members Only homepage and select the "Membership Add-Ons" tab.

### TMS MEMBERS EARN ACCOLADES

#### Ray Peterson: Trustee to AIME

The TMS Board has appointed Ray Peterson, technology director for Aleris International Inc, to serve as the TMS trustee to the AIME board for 2011/2012. Peterson, the 2009 TMS President, will succeed J. Wayne Jones, professor, University of Michigan and 1999 TMS President, when his term concludes in August.



#### Stephen Pennycook: MRS Fellow

Stephen Pennycook has been elected to the class of 2011 Fellows of the Materials Research Society (MRS). MRS cited Pennycook for "pioneering contributions to the development of the Z-contrast technique



for incoherent imaging of materials at atomic resolution and leadership in developing sub-Angstrom resolution aberration-corrected electron microscopy." He currently leads the Scanning Transmission Electron Microscopy group in the Materials Science and Technology Division of Oak Ridge National Laboratory.

#### Ian Donaldson: MPIF Award

Ian Donaldson, research and development director, GKN Sinter Metals in Worcester, Massachusetts, was named a recipient of the Distinguished Service to Powder Metallurgy Award by the Metal Powder Industries Federation (MPIF). He was recognized for his achievement at the 2011 International Conference on Powder Metallurgy & Particulate Materials in May.



*TMS Member Profiles*

## Meet a Member: John Meyer Goes the Distance

By Lynne Robinson

When competing in an Ironman triathlon, finishing is often its own victory.

This supreme test of physical endurance begins with a 3.9 kilometer swim, usually in open water. Once they've stripped off their wetsuits, the competitors mount their racing bikes for a 180.3 kilometer ride—the hillier the terrain, the better. The final challenge is running a full 42.2 kilometer marathon. Every meter of every event must be completed within 17 hours.

John Meyer knows that thrill of triathlon victory, having finished Ironman Wisconsin in 2005. A graduate research assistant at Iowa State University and second-year master's degree student, Meyer is hoping to repeat his success in the 2011 Ironman Wisconsin in September. He admits that juggling the training required for the competition with his school commitments has not been easy. "Training has taken a bit of a back seat because of my graduate studies," he said. "Ideally I would get in six to eight workouts a week, with a longer bike training session and run on the weekend to build my endurance. It also helps to mix in about two weight lifting sessions a week. During graduate school, I'm lucky to get in four to six workouts a week, but I try to get my longer workouts in on the weekends if possible. I also bicycle commute which helps to stretch out the legs in the morning and at night."

Meyer competed in his first triathlon at the age of 16, and at this point has 48 triathlons under his belt, ranging from sprints—consisting of a 750 meter swim, 20 kilometer bike race, and five kilometer run—to the punishing Ironman level of competition. His accomplishments include representing Iowa State University at the USA Triathlon Collegiate National Championship four times.

"I was a swimmer and also ran cross country and track in high school," Meyer said. "One of my high school

assistant cross country coaches competed in triathlon and encouraged me to try. It was natural to add the biking since I already swam and ran.

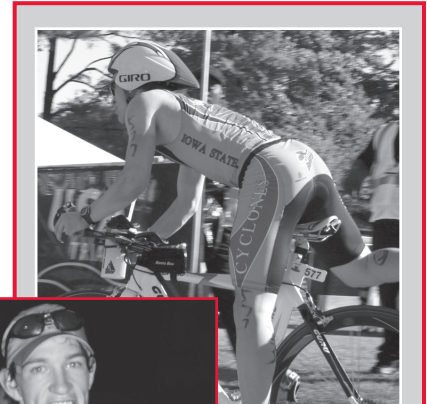
"I was a perfect fit for triathlons—good at a few things, but not great," he continued. "Being average at swimming, biking, and running individually made me a well-rounded, above-average triathlete."

Meyer's materials science background has also come into play in selecting equipment that can help him make the most of his natural abilities and hard training. His preferred material for his bicycle frame is a carbon fiber reinforced polymer composite. "Carbon fiber composites can be designed to be rigid in areas, such as when you need to apply a load to the cranks, but not in others, so you don't feel every bump in the road on the seat," he said. "It is also light and the material lends itself to aerodynamic shaping." Carbon fiber also makes up Meyer's handlebars, rims, and even the soles of his bicycle shoes.

While scoring a personal best is always satisfying, Meyer said that the camaraderie of training with and competing against other triathletes has also kept him in the sport. "It is not uncommon for competitors to say 'good job' or 'keep it up', even if you are passing them," he said.

Building and contributing to this community of competitors is his personal mission as president of the Iowa State University Triathlon Club. "I take more pride in helping club members train for and complete their first triathlon than I would of any individual achievement," he said. "The feeling of crossing the Ironman finish line was second only to seeing the faces of others finish their first competition."

The prospect of training for even the shortest triathlon may seem daunting, but Meyer says that joining a triathlon training group or club can make the journey easier. "Having the structure



(Above): Meyer prepares to dismount his bike during the 2008 USA Triathlon Collegiate National Championship in Tuscaloosa, Alabama. (Left): Tired, but triumphant, Meyer finishes the 2005 Ironman Wisconsin competition.

and others to 'suffer' with is helpful," he said. "Also, being around experienced competitors who can answer your questions will save you from some beginner's mistakes."

Most of all, Meyer recommends that new triathletes "Start simple and just enjoy the experience. Don't worry about your time or performance," he said. "You can work to become more competitive as you gain experience and strength."

Meyer acknowledges that the long workouts and grueling competitions are not for everyone. But for himself, pushing the boundaries of his strength and stamina is one of his favorite ways to spend the weekend, noting, "My hope is that I'm able to stay healthy enough to still be competing when I'm a much, much older man."

Each month, *JOM* profiles a TMS member and his or her activities both in and out of the realm of materials science and engineering. To suggest a candidate for this feature, contact Maureen Byko, *JOM* editor, at [mbyko@tms.org](mailto:mbyko@tms.org).