



new and noteworthy at TMS

The TMS MGI Ambassadors, listed below, are respected leaders who will serve as points of contact for public outreach and engagement regarding MGI-related events or inquiries.

Announcing the TMS MGI Ambassadors

In August 2014, the TMS Materials Innovation Committee announced the ten individuals selected to participate in the TMS Materials Genome Initiative (MGI) Ambassador Program. Advanced by the White House Office of Science and Technology Policy, MGI focuses on developing an innovation infrastructure for materials discovery and deployment twice as fast, at a much lower cost.

The TMS MGI Ambassadors, listed below, are respected leaders who will serve as points of contact for public outreach and engagement regarding MGI-related events or inquiries. Together they represent a range of industries, materials expertise, and geographic locations to ensure a balanced network of experts. Ambassadors were also selected for their enthusiasm about MGI; they all recognize the importance and impact MGI will have not only in the materials community, but in the overall quality of life in the United States.

To ask your regional TMS MGI Ambassador a question, or for more information on the program, visit: www.tms.org/MGIAmbassador.

Meet the MGI Ambassadors

John Allison, University of Michigan
John Allison, the 2002 president of TMS, currently teaches materials science and engineering at the University of Michigan. Prior to this, he spent 27 years as a Senior Technical Leader at Ford Research and Advanced Engineering where he led teams developing Integrated Computational Materials Engineering (ICME) methods. This work led to his appointment as vice-chair of the committee that produced the 2008 National Academies report titled *Integrated Computational Materials Engineering: A Transformational Discipline for Improved Competitiveness and National Security*.

Kevin Anderson, Mercury Marine
Kevin Anderson is currently a senior fellow

for Mercury Marine in Fond Du Lac, Wisconsin. He is the founding president of the Fond Du Lac STEM Academy and STEM Institute, public charter schools that aim to engage students in grades three through eight in science, technology, engineering, and mathematics (STEM).

Greg Blackman, DuPont
Greg Blackman is a research fellow in materials science at DuPont's Central Research and Development Division in Wilmington, Delaware. Shortly after he joined DuPont in 1990, Blackman founded the Corporate Analytical Scanning Probe Microscopy and Nanomechanics Lab and later served as a member of DuPont's Nanocomposite Technologies group from 2008–2011.



John Allison



Kevin Anderson



Greg Blackman



Surya Kalidindi



Joachim Kohn

Surya Kalidindi,***Georgia Institute of Technology***

Surya Kalidindi currently teaches mechanical engineering at the Georgia Institute of Technology, with joint appointments in the School of Computational Science and Engineering and the School of Materials Science and Engineering. Kalidindi also served as head of the materials science and engineering department at Drexel University from 2000–2008.

Joachim Kohn, Rutgers University

Joachim Kohn currently teaches chemistry and chemical biology at Rutgers University and has worked as director of The New Jersey Center for Biomaterials since its founding in 1997. Kohn is also the lead investigator of several leading federally funded R&D programs and is one of two principal investigators of the Armed Forces Institute of Regenerative Medicine.

David McDowell,***Georgia Institute of Technology***

In addition to his dual appointments in the School of Mechanical Engineering and School of Materials Science and Engineering, David McDowell serves as the executive director of the Institute for Materials at the Georgia Institute of Technology. From 1992–2012, McDowell served as the director of the university's Mechanical Properties Research Laboratory.

Dane Morgan, University of Wisconsin

Dane Morgan is a professor in materials science and engineering and is co-director of the Wisconsin Materials Institute at the University of Wisconsin, Madison. Morgan's work mainly focuses on energy

applications, which led to his 2011 appointment as vice president of research at Pellion Technologies Inc., a start-up energy technology company.

Greg Olsen,***Northwestern University/QuesTek***

Greg Olsen is a professor of materials science and engineering at the McCormick School of Engineered and Applied Science at Northwestern University. He directs the Materials Technology Laboratory/Steel Research Group, co-directs the National Institute of Standards and Technology (NIST)-supported Center for Hierarchical Materials Design, and is a founder of QuesTek Innovations LLC, a materials design company.

Kristin Persson,***Lawrence Berkeley National Laboratory***

Kristin Persson joined Lawrence Berkeley National Laboratory as a staff scientist in 2008 and now leads The Materials Project, which she co-founded in 2011. She is the director of the 2012 Basic Energy Science-funded "Materials Project Center for Functional Electronic Materials Design" and in 2009 she co-founded the clean energy start-up Pellion Technologies, Inc.

Tresa Pollock,***University of California, Santa Barbara***

Tresa Pollock is the Alcoa professor of materials at the University of California, Santa Barbara. Elected to the U.S. National Academy of Engineering in 2005, Pollock chaired the committee that produced the 2008 National Academies study titled "*Integrated Computational Materials Engineering: A Transformational Discipline for Improved Competitiveness and National Security*."

Announcing the 2015 TMS Annual Business Meeting

The Minerals, Metals & Materials Society, Inc. (TMS) in accordance with its bylaws (Article IV, Section 4, Paragraph A), hereby announces that it will hold its 2015 Annual Business Meeting on Wednesday, March 18th, 2015 at 8:15 a.m. during the TMS 2015 Annual Meeting & Exhibition in Orlando, Florida, USA. All TMS members are encouraged to attend this meeting.



David McDowell



Dane Morgan



Greg Olsen



Kristin Persson



Tresa Pollock



TMS Provides Funding Opportunity List for Members

TMS members can now access a listing of U.S. government funding opportunities related to minerals, metals, and materials research. As a new member benefit launched in September 2014, the Funding Opportunity List serves as an overview of programs deemed likely to interest TMS members.

This list, updated weekly, keeps members informed of multiple opportunities in one location. The available opportunities are divided based on how frequently they are offered (“Special Opportunities” for specific, one-time projects, or “Ongoing Programs” for regularly funded projects), and the

agency that offers the funding. The “Special Opportunities” list also includes information on required submission materials and due dates. Current members of TMS can begin exploring this resource right away by navigating to the TMS Members Only homepage and selecting “Funding Opportunities” on the menu.

While the Funding Opportunity List includes many of the opportunities and programs that are most relevant to the work of TMS members, it is not exhaustive. To make a suggestion about additional opportunities not included in the list or to provide feedback, email fundinglist@tms.org.

Science Messaging is Focus of Student-Run Symposium

A student-run symposium, organized by Purdue University graduate students Kevin Chaput, Andrew Kustas, Kathlene Reeve, and Lisa Rueschhoff, will take place at the TMS 2015 Annual Meeting & Exhibition (TMS2015). Initially under the guidance of their department head David Bahr, all four students took charge in selecting

“Ideal attendees appreciate that communicating science to a non-technical audience is just as crucial as communication among scientists in the same field,” said Chaput. He further explained that they sought to provide a topic that could better equip attendees to communicate their scientific work and “continue advocating their areas of interest with greater efficiency.” With these goals in mind, Chaput, Kustas, Reeve, and Rueschhoff decided on their topic: “Messaging Research to a Broad Audience.” Chaput hopes that this symposium will provide attendees with the tools to effectively convey their research to a variety of future audiences, leaving them with a sense of accomplishment and satisfaction.

For more information on the speakers and sessions planned for this symposium, visit the Technical Program page on the TMS2015 website: www.tms.org/



The Purdue University graduate student organizers of “Messaging Research to a Broad Audience.” From left to right: Andrew Kustas, Kathlene Reeve, Lisa Rueschhoff, and Kevin Chaput.

a symposium topic and inviting speakers to present. They aimed to provide a unique symposium topic for a mixed audience of students, young professionals, and field experts who all have one thing in common: they enjoy advocating science and engineering to the general public, which isn’t always an easy task.

Submit Your Nomination for TMS Board of Directors Opening

Nominations are now being accepted for Vice President/President/Past President—also known as the presidential rotation—of the TMS Board of Directors for the 2016–2019 term. The deadline to submit a nomination is January 31, 2015.

In the first year, the elected individual will function in the position of vice president, serving in the place of the president, when necessary, and assisting the president in implementing policies and programs of the board of directors. The second year, the individual will serve as president, representing the entire membership in

carrying out the professional and business activities of the organization. The past president closes the term.

Elections will take place in August and the elected individual will take office at the TMS 2016 Annual Meeting & Exhibition. To access a complete job description and qualifications, as well as the Nominee Statement form, log on to the TMS Members Only homepage and navigate to “Submit Nominees for the 2016 TMS Board of Directors.” For additional information, contact Nancy Lesko, TMS Executive and Governance Administrator, at nlesko@tms.org.

TMS Once Again Named a “Best Place to Work”

The *Pittsburgh Business Times* once again named TMS one of the Best Places to Work in Western Pennsylvania. Ranking 20th in the small-company category (fewer than 50 employees) and 21st overall, TMS climbed 13 places on the list since 2013. The Best Places to Work in Western Pennsylvania program is designed to recognize the Pittsburgh region’s leading employers—companies that go beyond the norm to foster an enjoyable and meaningful work environment for their employees, according to the *Business Times*.

The 93 companies awarded in 2014 were ranked in three categories (small, medium, or large company) and judged based on an online employee survey that

measured indicators such as team effectiveness, employee alignment with company goals, and trust in senior leaders. According to the *Business Times* survey results, TMS scored well above the national average for employee satisfaction. TMS was again the only professional society on the list and ranked second of all nonprofits, moving up from third in 2013.

James J. Robinson, TMS Executive Director, said “On behalf of the TMS staff, it is a delight to learn that we have once again been selected as one of the best workplaces in our region. We have a great team at headquarters, and their skills, collaborative spirit, and day-in/day-out pursuit of excellence make it a joy to come to work each day.”

Introducing the Newest Members of TMS

Please join us in congratulating the following new TMS members, approved by the TMS board of directors at its October 12th meeting.

Adams, James B.; Arizona State University, United States	Bradley, Rex W.; United States	Cruzado, Aitor; Spain	Fu, Junyanl; Citic Metal Co., Ltd., China
Aliyu, Zainab; Ahmadu Bello University, Nigeria	Brayshaw, David; PCC Structural Inc., United States	De Barbadillo, John, J.; Special Metals, United States	Fu, Yanan; Shanghai Synchrotron Radiation Facility, China
Amanov, Auezkhan; Sun Moon University, South Korea	Bruno, Giovanni; BAM, Germany	De Guire, Mark R.; Case Western Reserve University, United States	Fukada, Shinichiro; Hitachi Metals America Ltd., United States
Aoki, Chuuya; Japan	Buchmann, Werner; Motor & Turbine Union GmbH & Co. KG, Germany	Dempster, Ian; Wyman Gordon / PPC, United States	Gao, Yashuang; University of Auckland LMRC, New Zealand
Araujo, Leonardo S.; Cid. Univ. Centro De Tech, Brazil	Buescher, Markus; Germany	Devaux, Alexandre; Aubert & Duval, France	Garcia, Manuel G.; UHV Technologies Inc., United States
Argyrikis, Christos P.; Rolls-Royce plc, Great Britain	Calaluca, Kaitlyn; Lucideon M+P, United States	Dies, Francesco; Forgitel Italy S.p.A., Italy	Geck, David A.; United States
Arrowood, Roy M.; University of Texas, United States	Cantoni, Marco; EPFL-CIME, Switzerland	Dogan, Neslihan; McMaster University, Canada	Goetz, Robert L.; Rolls-Royce Corp., United States
Asbjornsson, Einar J.; Reykjavik University, Iceland	Castillo, Jorge; Frisa Superalloys, Mexico	Dux, Tiffany; Alcoa Forgings, United States	Gopalakrishnan, Palaniappan; PSG College of Technology, India
Aziz, Michael J.; Harvard University, United States	Chan, Candace; Arizona State University, United States	Erdogan, Metehan; Turkey	Harrysson, Ola; North Carolina State University, United States
Badrak, Robert Peter; Weatherford Inc., United States	Chilvery, Ashwith; United States	Ergun, Celaletdin; Istanbul Technical University, Turkey	Hollenbeck, Ann M.; Wyman-Gordon Forgings, United States
Balk, Thomas J.; University of Kentucky, United States	Cingia, Alberto; Italfond S.p.A., Italy	Even-Zur, Orit; Israel	Huber, Daniel; Bohler Schmiedetechnik GmbH & Co. KG, Austria
Bonifacio, Cecile; United States	Cohen-Arafi, Yael; Israel	Fan, Guangeui; Technology Center of TISCO, China	Hueller, Marco; MTU Aero Engines, United States
Bounds, Charles O.; United States	Coll Caceres, Jose; Gerdau Special Steels, Spain	Febbrari, Andrea; Italfond SpA, Italy	
Bozzolo, Nathalie; MINES-ParisTech, France	Collins, Anthony L.; Schlumberger, United States	Fedorova, Tatiana; Technische Universität, Braunschweig, Germany	
	Cotica, Luiz Fernando; State University of Maringa, Brazil	Frank, Richard B.; Carpenter Technology Corporation, United States	
	Cribbs, David F.; Precision Castparts Corporation, United States		

Huenert, Daniela; Rolls-Royce Deutschland, Germany	Medina, Frank; Arcam AB, Sweden	Plantz, David H.; United States	Smith, George J.; ATI Specialty Materials, United States
Huff, Curtis; United States	Mijiritskii, Andre; FEI Company, Netherlands	Powell, Andrew M.; GE Aviation, United States	Srinivasan, Dheepa; GE India Technology Centre, India
Hwang, Junyeon; Korea Institute of Science and Technology, South Korea	Mokso, Rajmund; Paul Scherer Institute, Switzerland	Pyun, Young-Sik; Sun Moon University/DesignMecha, South Korea	Srivastava, Ashok Kumar; O.P. Jindal Institute of Technology, India
Ilevbare, Gabriel; EPRI, United States	Moreno, Daniel; Soreq-nrc, Israel	Quarto, Mark; Automotive Research & Design LLC, United States	Sun, Yong-Qian; Rolls-Royce Corp., United States
Jelagin, Denis; KTH, Sweden	Morris, Greg; GE Aviation, United States	Quitioriano, Nathaniel J.; McGill University, Canada	Surreddi, Kumar Babu; Sweden
Kapoor, Monica; United States	Mosbah, Salem; Solidification Modeling Solutions Ltd., United States	Rakowski, James M.; ATI Flat Rolled Products, United States	Tatschl, Arnold; Bohler Edelstahl GmbH & Co. KG, Austria
Koekkoek, Sarali; SSAB Special Steel, Sweden	Murakami, Hideyuki; National Institute for Materials Science, Japan	Randman, David; Special Metals Wiggin, Great Britain	Teramae, Toshiya; Hitachi Ltd., Japan
Konkel, William A.; Ellwood Texas Forge, United States	Nelson, Lawrence; JLN Consulting, United States	Ridgeway, Elizabeth H.; Bohler Edelstahl, United States	Tsuboi, Yusuke; Hitachi Metals MMC Superalloy Ltd., Japan
Kranjcec-Strahl, Ivan; Bohler Edelstahl GmbH, Austria	Nodin, Olivier; Aubert & Duval, France	Rinaldi, Anthony Thomas; The Rinaldi Group, United States	Ueno, Tomonori; Hitachi Metals Ltd, Japan
Lakew, Samra B.; United States	Norum, Havard; GKN Aerospace Norway AS, Norway	Robert, Michel; Canada	Vaucher, Sebastien; EMPA, China
Li, Linsen; Hubei Zinyegang Steel, China	Nutter, Jared S.; West Virginia University, United States	Roberts, Christopher G.; Latrobe Specialty Metals, United States	Wang, Wei; Alcoa Inc., United States
Li, Wei; Rolls-Royce plc, Great Britain	Nwoke, Ugochukwu Victor; Nnamdi Azikiwe University, Nigeria	Rogoff, Erik; Firth Rixson, United States	Weigelt, Rainer; VDM Metals GmbH, Germany
Liu, Xianghong; Western Superconducting Technologies, China	Offerman, Sven E.; Delft University of Technology, Netherlands	Ruppert, Jean-Manuel; Turbomeca Safran Group, France	West, Zachary E.; Universal Stainless & Alloy Products, United States
Liu, Caihong; Illinois Institute of Technology, United States	Ohara, Yasunobu; Hitachi Metals Ltd., Japan	Russell, Jeffrey L.; ATI Specialty Materials, United States	Williams, Christopher B.; Virginia Polytechnic Institute, United States
Lobovsky, Alexander; United Materials Technologies LLC, United States	Ojolo, Sunday J.; University of Lagos, Nigeria	Ryuichi, Nagase; JX Nippon Research Institute Ltd., Japan	Wilson, Adria; United States
Long, C. Joseph; Westinghouse Electric Co., United States	Okuno, Motoki; Japan	Sadeghi-Tohidi, Farzad; Georgia Institute of Technology, United States	Wright, Caleb; PCS Phosphate, United States
Lu, You; Schlumberger, United States	Ollis, Amber N.; TimkenSteel Corporation, United States	Sammt, Klaus; Bohler Edelstahl GmbH & Co. KG, Austria	Yasuda, Hideyuki; Yoshida-Honmachi, Japan
Lundback, Andreas; Lulea University of Technology, Sweden	Oppenheimer, Scott M.; General Electric, United States	Senaputra, Alexander; Cytec Industries, United States	Yoshinouchi, Takashi; IHI Corporation, Japan
Mannan, Sarwan Kumar; Special Metals Corporation, United States	Parr, Iain; Rolls-Royce plc, Great Britain	Shahedipour-Sandvik, Shadi; United States	Zaun, Mark E.; ATI Specialty Materials, United State
Marakstrom, Andreas; Thermo-Calc Software, Sweden	Pegoraro, Adrian F.; Harvard University, United States	Simmons, Heather J.; Special Metals Corporation, United States	Zhang, Lei; China
Martin, David C.; University of Delaware, United States	Petrova, Roumiana Slaveva; New Jersey Institute of Technology, United States	Simons, Hugh; DTU, France	Zhang, Wei; Citic Metal Co., Ltd., China
Mayes, Jessica L.; United States	Phillips, Kenneth; HTA Asia Co., Ltd., United States	Slotwinski, John; Johns Hopkins University, United States	Zhong, Yu; Florida International University, United States
	Pierret, Stephane; France		Zhu, Jiahua; University of Akron, United States