



new and noteworthy at TMS

TMS Announces New Manufacturing Summit

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**—James J. Robinson,
TMS Executive
Director**

The First TMS Summit on Integrated Manufacturing and Materials Innovations

Fall 2015 • Pittsburgh, PA



Mounting pressure to move advanced products out the door faster, cheaper, and at a higher quality than the competition has given rise to numerous initiatives throughout the world focused on innovations in manufacturing.

Establishing a forum where scientists, engineers, and decision makers across disciplines and organizations can interact, report, and develop productive linkages is the intent of The First TMS Summit on Integrated Manufacturing and Materials Innovations. The summit will take place November 15–19, 2015, in Pittsburgh, Pennsylvania.

Planned to be held every two years, the inaugural summit will examine solutions for applications in both established and emerging industries, providing a valuable forum for information exchange and networking among members of various manufacturing-related institutes and consortia. As the summit’s name suggests, the key technical theme will be the integration of manufacturing and materials innovations. In addition to sharing and assessing materials-related breakthroughs, the summit will also build on opportunities to roadmap key areas for future development.

“Within our professional materials community, one aspect that makes TMS unique is the cross-cutting nature of our membership and programs,” said James J. Robinson, TMS Executive Director. “We

network extraction and processing with fabrication and application, upstream with downstream manufacturing, industry with academia with government, fundamental science with commercial implementation, modeling and simulation with real-world implementation, and so on. While the 2015 manufacturing summit is a new TMS event, it is ultimately another clear manifestation of the integrated nature of TMS. It reflects our essence, and organizers, presenters, sponsors, and attendees will undoubtedly find the summit to be a great opportunity to help move our community collaboratively toward more effective ways of transitioning innovations from the laboratory to commercial reality.”

The summit organizers are Frank W. Gayle, Deputy Director, Advanced Manufacturing National Program Office, National Institute of Standards and Technology; Robert Hyland, Director of Process Technology, U.S. Steel Research and Technology Center; James McGuffin-Cawley, Chair, Department of Materials Science and Engineering, Case Western Reserve University and Executive Committee member of America Makes; and William Mullins, Program Officer, Office of Naval Research, Naval Materials Division.

Check the TMS Meetings and Events portal regularly at www.tms.org/meetings for additional details and updates.



Viola L. Acoff

Viola Acoff Named Inaugural Diversity Award Winner

Viola L. Acoff, professor and head of the Metallurgical and Materials Engineering Department, University of Alabama (UA), is the inaugural recipient of the TMS Ellen Swallow Richards Diversity Award. The award recognizes an individual who serves as a role model for overcoming personal, professional, educational, cultural, or institutional adversity to pursue a career in minerals, metals, and/or materials or for helping others to overcome these challenges to pursue such a career. The award will be presented to Acoff at the First TMS Summit on Creating and Sustaining Diversity in the Minerals, Metals, and Materials Professions (DMMM1), July 29–31 at the National Academy of Sciences Building in Washington, D.C.

Acoff was born in Bessemer, Alabama, the ninth of ten children. Through the encouragement of her family and her own academic accomplishments, she earned her B.S., M.S., and Ph.D. from the University of Alabama with the aid of scholarships and assistantships. She began working at the University of Alabama in 1994 as an assistant professor, where she has distinguished herself as a researcher, teacher, and leader. She has also dedicated herself to opening the possibilities of a career in the minerals, metals, and materials

professions to under-represented groups, serving since 1996 as the University of Alabama's director of the Louis Stokes Alliance for Minority Participation, supported by the National Science Foundation (NSF). She was also the driving force in establishing the NSF-funded program, "Introducing Science Faculty from Historically Black Colleges and Universities (HBCU) to Materials Science and Engineering." Over a 12-year period, HBCU faculty from 82 of the nation's 99 HBCUs participated in the program.

"When I was informed that I was selected, I was speechless. I was honored just to be nominated for this award and all that it represents," said Acoff. "Almost two decades ago, I made it my personal mission to do whatever I can to increase diversity in materials science and engineering. The fact that TMS has established this award to recognize an individual who reflects the remarkable pioneering spirit of Ellen Swallow Richards makes me even prouder to call myself a member of TMS."

Look for more details on Viola Acoff's story in the June issue of *JOM*. In the meantime, register for DMMM1 at www.tms.org/diversitysummit before June 28 to secure your place and receive a registration discount.

ICME Implementation Study Wins Award of Excellence

Integrated Computational Materials Engineering (ICME): Implementing ICME in the Aerospace, Automotive, and Maritime Industries, a study released by TMS in July 2013, won an Award of Excellence from the Washington, D.C./Baltimore chapter of the Society for Technical Communication (STC), making the report eligible to advance to the national competition. The nomination was submitted by the Nexight Group, who worked closely with TMS on the project.

The purpose of the study was to provide practical guidance on accelerating the development and manufacture of advanced materials at significantly reduced costs in the near-term. The project was successfully completed within an aggressive timeframe, largely due to the commitment and efforts of nearly 50 leading scientists, engineers, and technical experts who volunteered their

time and talents to the project.

"I am proud of TMS's role in coordinating this effort, particularly since I believe it will be viewed as a milestone in the evolution of ICME as a discipline," said James J. Robinson, TMS Executive Director. "However, it is these volunteer leaders who are responsible for the quality, value, and lasting impact of this work."

The STC judges who gave the Award of Excellence to the study apparently agreed, with one of the evaluators commenting that it was "a seminal work in developing national consensus to move forward in an area of great potential for the economy. Exceptionally well-written and organized to clarify specific areas for action."

Implementing ICME in the Aerospace, Automotive, and Maritime Industries can be downloaded for free at www.tms.org/icmestudy.

