

TMS 2017

146th Annual Meeting & Exhibition



THE WORLD COMES HERE.

February 26 – March 2, 2017
San Diego, California, USA

MEETING PREVIEW

www.tms.org/TMS2017



TMS2017

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TMS2017 welcomes two co-located international conferences, both included with your TMS2017 registration.



**3rd Pan American
Materials Congress**
San Diego, California
February 26-March 2, 2017

3rd Pan American Materials Congress

Established by TMS and ABM, the Pan American Materials Congress taking place at TMS2017 expands markedly on its predecessors held in 2010 and 2014 in Brazil, particularly in terms of professional society engagement across continents.

The organizations actively developing the technical program are: Asociación Argentina de Materiales (SAM); Associação Brasileira de Metalurgia, Materiais e Mineração (ABM); Asociación Peruana de Metalurgia, Materiales y Minerales (APMMM); Colombian Materials Society; Metallurgy and Materials Society (MetSoc), Canadian Institute of Mining, Metallurgy, and Petroleum (CIM); Sociedad Chilena de Metalurgia y Materiales (SOCHIM); Sociedad Mexicana de Materiales (SMM); TMS (host society)

Specific symposia topics identified to date include:

- Advanced Biomaterials
- Advanced Manufacturing
- Materials for Green Energy
- Materials for Infrastructure
- Materials for Lightweighting
- Materials for the Oil and Gas Industry
- Materials for Transportation
- Minerals Extraction and Processing
- Nanocrystalline and Ultra-Fine Grain Materials/Bulk Metallic Glasses
- Shape Memory Materials
- Steels

A tour and networking activities designed to facilitate cross-cultural learning will round out this comprehensive event.

Energy Materials 2017

Energy Materials 2017

TMS and the Chinese Society for Metals (CSM) are looking to build on the success of the inaugural Energy Materials meeting that the two societies convened in 2014 in China.

Symposia topics identified to date include:

- Energy and Environmental Issues in Materials Manufacturing and Processing
- Materials for Nuclear Energy
- Materials for Coal-Based Power
- Materials for Gas Turbines
- Materials for Oil and Gas

The Call for Abstracts for the 3rd Pan American Materials Congress, Energy Materials 2017, and TMS2017 will open concurrently in May, with all abstracts accepted through ProgramMaster. Contact programming@tms.org with questions.

Take advantage of new and enhanced programming features and networking opportunities, set to debut at TMS2017.

Four Full Days of High-Quality Programming

TMS2017 will introduce a new, expansive approach to the TMS annual meeting experience by extending special events and technical programming through Thursday evening. This offers attendees greater flexibility in networking and participating in as many aspects of the meeting as possible, while accommodating new features and activities currently under development.

New All-Meeting Plenary on Sunday

Global Energy 2025 is the theme of the inaugural installment of a new TMS annual meeting tradition—the Sunday evening, all-meeting plenary. *Global Energy 2025* will feature thought leaders from Europe, China, and the United States who will examine progress and possibilities of meeting mandated energy targets by 2025. The role of the minerals, metals, and materials community in reaching these goals will provide the context for discussion on economic impacts, policy implications, and technological advancements. This session is sponsored by the Energy Committee of the Extraction and Processing Division and the Light Metals Division.

Enriched Poster Presentation Opportunities

TMS2017 will pilot a new poster session concept, designed to showcase presenters to peers and colleagues within their specific areas of expertise.

Bladesmithing is Back. . .and Better Than Ever

The wildly popular TMS Bladesmithing Competition returns to TMS2017 to spark ingenuity among university student and artisan teams from around the world. The central challenge will once again be to produce a knife or sword—formed by hand hammering or trip hammer forging—along with an analysis and presentation of the science behind the blade. The top entries will have opportunities for publication and professional recognition, as well as cash prizes.



The TMS2017 Bladesmithing Competition is made possible, in part, from the generous support of the American Institute of Mining, Metallurgical, and Petroleum Engineers (AIME).

Check www.tms.org/TMS2017 regularly for news and updates to these and other TMS2017 events.

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Join your colleagues from nearly 70 nations at the meeting that the global minerals, metals, and materials community calls home.

TMS2017 Symposium Proposals Due:
March 31, 2016

TMS2017 Call for Abstracts Opens:
May 2016

TMS2017 Registration and Housing Opens:
October 2016

TMS2017 Takes Place:
February 26–March 2, 2017
San Diego, California

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