

# TMS 2017

146<sup>th</sup> Annual Meeting & Exhibition  
THE WORLD COMES HERE.



**TMS**  
The Mineral, Metals & Materials Society  
5700 Corporate Drive Suite 750  
Pittsburgh, PA 15237 USA  
[www.tms.org](http://www.tms.org)

February 26–March 2, 2017  
San Diego Convention Center and Marriott Marquis & Marina  
San Diego, California

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**CO-LOCATED WITH**

## FEATURING TWO CO-LOCATED INTERNATIONAL EVENTS:



3<sup>rd</sup> Pan American  
Materials Congress

**Energy Materials  
2017**



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Materials Congress

**Energy Materials  
2017**

**Discounted Registration Deadline:  
January 20, 2017**

**Three Conferences: One Registration Fee**

**REGISTER TODAY!**

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January 20, 2017**

[www.tms.org/TMS2017/AB](http://www.tms.org/TMS2017/AB)

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

## YOUR TMS2017 REGISTRATION PACKAGE INCLUDES ACCESS TO:

- More than 65 symposia and more than 4,000 individual technical presentations from all five TMS technical divisions
- Nine symposia from the 3rd Pan American Materials Congress
- Seven symposia from Energy Materials 2017
- A three-day pass to the TMS2017 Exhibition
- Featured keynotes, honorary symposia, special award lectures, and all poster sessions
- Electronic access to the complete collected proceedings
- TMS President's Welcoming Reception
- Global Energy 2025 Opening Plenary Session
- Exhibit Opening Reception
- Exhibit Hall Happy Hour
- 2017 TMS-AIME Awards Ceremony
- Five full days of programming and activities



## REGISTRATION FEES

Register by January 20 to receive the best rates!

**Discount Rate** (On or before January 20)

**Standard Rate** (After January 20)

| Type   | Discount | Standard |
|--|----------|----------|
| <b>Member</b><br><i>(Does not include TMS Membership for 2017)</i>                         | \$615    | \$775    |
| <b>Member Presenter</b><br><i>(Does not include TMS Membership for 2017)</i>               | \$615    | \$775    |
| <b>Nonmember Presenter</b><br><i>(Includes TMS Membership for 2017)</i>                    | \$775    | \$925    |
| <b>Nonmember</b><br><i>(Includes TMS Membership for 2017)</i>                              | \$820    | \$960    |
| <b>Senior Member</b><br><i>(Must hold Senior Member distinction with TMS)</i>              | \$450    | \$580    |
| <b>Student Member*</b><br><i>(Does not include Material Advantage Membership for 2017)</i> | \$115    | \$140    |
| <b>Student Nonmember*</b><br><i>(Includes Material Advantage Membership for 2017)</i>      | \$145    | \$170    |
| <b>Daily Registration Member</b><br><i>(Does not include TMS Membership for 2017)</i>      | \$430    | \$485    |
| <b>Daily Registration Nonmember</b><br><i>(Includes TMS Membership for 2017)</i>           | \$475    | \$530    |
| <b>Exhibition Daily</b><br><i>(No one under 18 permitted)</i>                              | \$75     | \$75     |

\* Must be a full-time student at an accredited university to register at the student rate. A current school identification card must be presented at registration to receive your materials at TMS2017.

Register at [www.tms.org/TMS2017/AB](http://www.tms.org/TMS2017/AB)





## MAKE THE MOST OF YOUR TIME IN SAN DIEGO.

Sign up for these additional events when you register for TMS2017.

### ADD A PROFESSIONAL DEVELOPMENT COURSE

*All professional development events will be held Sunday, February 26.*

- Additive Manufacturing Processes and Technology Workshop
- Emerging Electronic Interconnect Materials and Processing for Advanced Packaging Technology Workshop
- Emerging Technologies that are Poised to Change the Aluminum Industry Workshop
- Hands On: Interactive Materials Data Visualization and Selection Tools for Research and Teaching Workshop\*
- Hands On: New Demos and Activities to Engage Students in Materials Science and Engineering Workshop
- How Carbon Materials are Used in Aluminum Production Workshop—an Introduction for Non-Technologists
- Introduction to Atom Probe Tomography Course
- Managing Sulfur in Cokes, Anodes, and Smelter Potline Exhaust Gases Workshop
- Refractory Linings Used in Aluminum Production Workshop

\* Part of the Supplier Technology Education Program

### ADD A NETWORKING BREAKFAST, LUNCHEON LECTURE, DINNER EVENT, OR TOUR

- **Fresh Coffee, Fresh Ideas:** Diversity and Inclusion Breakfast (formerly the Women in Science Breakfast)
- **Extraction & Processing Division/Materials Processing & Manufacturing Division Luncheon Lecture**  
*Speaker:* Diran Apelian, Worcester Polytechnic Institute
- **Light Metals Division Luncheon Lecture**  
*Speaker:* Karl Ulrich Kainer, Helmholtz-Zentrum Geesthacht, Germany
- **Structural Materials Division Luncheon Lecture**  
*Speaker:* Nikhilesh Chawla, Arizona State University
- **Young Professional Tutorial Luncheon Lecture**  
Speakers to be announced
- **2017 TMS-AIME Awards Banquet**  
Featuring entertainment by San Diego's Hang Ten Hoppers
- **Energy Materials Dinner**
- **Pan American Materials Congress Dinner**
- **San Diego Tour**  
Featuring stops at the San Diego Zoo, the Birch Aquarium, and the University of California, San Diego Materials Science and Engineering Facility

# TMS2017 EXHIBITION



**MEET A WORLD OF BUSINESS CONTACTS IN  
ONE CONVENIENT LOCATION**

## TMS2017 EXHIBITION

*Exhibit Dates: February 27–March 1*

The TMS2017 Exhibit will be located in close proximity to key technical programming and events, making it an integral part of the TMS2017 experience.

**Featuring  
the 2017 TMS  
Bladesmithing  
Competition!**



Join us in the exhibit hall for the following special events (included in your TMS2017 registration fee):

- Exhibit Opening Reception
- Exhibit Hall Happy Hour

Visit the TMS2017 website for a listing of companies you'll meet in this year's exhibit hall.

## JOIN THE EXHIBIT!

To reserve exhibit space, contact Caron Gavrish, TMS Sales Specialist, at (724) 814-3140 or [exhibits@tms.org](mailto:exhibits@tms.org).

# TMS2017 HOUSING



**GET THE BEST RATES AT THE MOST  
CONVENIENT HOTELS**

## BOOK HOTEL ROOMS THROUGH TMS AND ONPEAK

TMS has secured a limited number of reduced-rate hotel rooms for TMS2017 attendees through our official housing provider, onPeak.

Reserve your place at the **San Diego Marriott Marquis & Marina**—the TMS Headquarters Hotel—or one of eight additional area hotels where TMS has negotiated discounted rates for attendees.

Make your reservations through the TMS Housing web page at [www.tms.org/TMS2017/AB](http://www.tms.org/TMS2017/AB) or contact onPeak at (312) 527-7300.

The reservation deadline is **January 30, 2017**, but book early for the best selection and room rates.

*Please note that **onPeak is the only official hotel provider associated with TMS2017**. While other hotel resellers may contact you offering accommodations for your trip, they are not endorsed by or affiliated with the meeting. Please be aware that entering into financial agreements with non-endorsed companies can have costly consequences.*



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DISCOUNTED REGISTRATION DEADLINE:  
JANUARY 20, 2017



## NEW FOR 2017

### SUNDAY NIGHT OPENING PLENARY SESSION: GLOBAL ENERGY 2025

Organized by the Chinese Society for Metals, the Federation of European Materials Societies, and TMS. Keynote speakers include:

- **Harriet Kung**, Director of Basic Energy Sciences, Office of Science, Department of Energy
- **Zhiling Tian**, Vice General Manager at China Iron and Steel Research Institute Group
- **Fabrice Stassin**, Managing Director, Energy Materials Industrial Research Initiative

## FEATURING TWO CO-LOCATED INTERNATIONAL EVENTS, INCLUDED WITH YOUR REGISTRATION:



3<sup>rd</sup> Pan American  
Materials Congress

Join other leading experts on the minerals, metals, and materials issues impacting the technological progress of the nations of the Americas. Hosted by TMS, the 3<sup>rd</sup> Pan American Materials Congress has been organized by nine professional societies spanning the scientific and industrial interests of the region.

Energy Materials  
2017

Organized by TMS and the Chinese Society for Metals (CSM), Energy Materials 2017 will highlight materials research and industrial innovations for both established and emerging energy systems and technologies.

## RETURNING FOR 2017



### 2017 TMS BLADESMITHING COMPETITION

On Display in the TMS 2017 Exhibition Hall  
View an impressive display of knife and sword blades forged by student teams.

## ABOUT THE TMS ANNUAL MEETING & EXHIBITION

### WHO ATTENDS

- Scientists and engineers working in industry, academia, and government and representing all aspects of minerals, metals, and materials
- Representatives from nearly 70 countries
- Established professionals, retired experts, young professionals, and students

### TECHNICAL TRACKS

- Additive Manufacturing and Joining Processes
- Advanced Materials: Processing, Structure, and Properties Linkages
- Biomaterials
- Computational Materials Science
- Energy, Environment & Sustainability
- Extraction and Processing
- Light Metals
- Metals & Materials Processing
- Nanomaterial
- Nuclear Materials and Applications
- Special Topics

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