



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

San Diego, California  
February 26-March 2, 2017

## CALL FOR ABSTRACTS

CO-LOCATED WITH THE

# TMS 2017

146<sup>th</sup> Annual Meeting & Exhibition

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**ABSTRACT DEADLINE: JULY 1, 2016**

**Submit online at [www.tms.org/PanAmCongress](http://www.tms.org/PanAmCongress)**

**Questions? Contact [programming@tms.org](mailto:programming@tms.org)**

Don't miss your opportunity to present your work and network with colleagues from across the Americas and around the world when the 3<sup>rd</sup> Pan American Materials Congress convenes at TMS2017.

Following the success of the First and Second Pan American Materials events, we announce the Third Congress, which will enhance the collaborations among materials researchers and practitioners in the Americas.

### ORGANIZING COMMITTEE

**Marc Meyers, University of California, San Diego, Conference Chair**

**Argentina:** Roberto Arce, Sonia Bruhl, Carlos Schvezov

**Brazil:** Andre Costa e Silva, Sergio Neves Monteiro, Horacio Leal

**Canada:** Mary Wells, Mihaiela Isac

**Chile:** R.V. Mangalaraja, Claudio Aguilar, Marta Lopez, Enrique Miranda Salinas

**Colombia:** Henry A. Colorado, Juan Manuel Velez

**Mexico:** Armando Salinas-Rodriguez, Marco Ramirez-Argaez, J. Gerardo Cabanas-Moreno

**Peru:** Mery Cecilia Gomez Marroquin, Yovanna Gisela Palomares Yallico, Maria Isabel Gomez Marroquin

**USA:** Michael Kaufman, Diana Farkas, Olivia Graeve

**Venezuela:** Leonardo Agado Jácome, Gema González

### SYMPOSIA

- **Advanced Biomaterials**
- **Advanced Manufacturing**
- **Materials for Green Energy**
- **Materials for Infrastructure**
- **Materials for Lightweighting**
- **Materials for the Oil and Gas Industry**
- **Minerals Extraction and Processing**
- **Nanocrystalline and Ultra-fine Grain Materials and Bulk Metallic Glasses**
- **Steels**

### PLENARY SPEAKERS

- **Diran Apelian, USA**, "The Circular Economy—A Pathway to Resource Recovery and Recycling"
- **Carolyn Hansson, Canada**, "Designing Infrastructure Materials for 100-plus year Service Lives"
- **Enrique Lavernia, USA**, "Simultaneous Grain Refinement and Growth during Severe Plastic Deformation"
- **Pedro Dolabella Portella, Germany**, "Toward a Federation of American Materials Societies: The European Experience"
- **Fernando Rizzo, Brazil**, "Steel: Phase Transformations"
- **Carlos Schvezov, Argentina**, "Production, Properties, and Applications of Titanium Dioxide Films"
- **Alejandro Toro, Colombia**, "What Do Snakes Have to Say About Tribology? Biomimetics Applied to Friction and Wear Studies"
- **Salvador Valtierra, Mexico**, "High Temperature Solutions Through Materials and Processes for Engines under Heavy Thermal Fatigue Conditions"

### ORGANIZING SOCIETIES:



Asociación Argentina de Materiales



Associação Brasileira de Metalurgia, Materiais e Mineração



Colombian Materials Society

