



3rd Pan American Materials Congress

San Diego, California
February 26-March 2, 2017



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ABSTRACTS DUE: July 15, 2016

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

PLANNED SYMPOSIA

Advanced Biomaterials

Recent innovations and developments in the field of biomaterials.

Organizers: **Carlos Nelson Elias**, Instituto Militar de Engenharia, Brazil; **Wen Yang**, ETH Zürich, Switzerland

Advanced Manufacturing

Materials-related innovations in advanced manufacturing and their impact on materials research and engineering.

Organizers: **Sonia Brühl**, Universidad Tecnológica Nacional, Argentina; **Ricardo H.R. Castro**, University of California, Davis, USA; **Dachamir Hotza**, Universidade Federal de Sao Carlos, Brazil

Materials for Green Energy

The creation, characterization, and uses of materials that aid in renewable energy storage, transmission, and generation, as well as environmentally friendly materials and processes.

Organizers: **Julie Schoenung**, University of California, Irvine, USA; **Roberto Arce**, IFIS-CONICET-UNL, Santa Fe, Argentina; **Hector Calderon Benavides**, ESFM- Instituto Politécnico Nacional, Mexico; **R.V. Mangalaraja**, Universidad de Concepción, Chile

Materials for Infrastructure

State-of-the-art, as well as potential future innovations, in materials issues related to infrastructure.

Organizers: **Henry A. Colorado**, Universidad de Antioquia, Colombia; **Oliverio Rodriguez**, Centro de Investigación en Química Aplicada, Mexico

Materials for Lightweighting

Characterization, modeling, testing, and engineering applications for materials-based lightweighting innovations.

Organizers: **Mary Wells**, University of Waterloo, Canada; **Rafael Colás**, Universidad Autónoma de Nuevo León, Mexico; **Fernand Marquis**, San Diego State University, USA; **R.V. Mangalaraja**, Universidad de Concepción, Chile; **Marta López**, Universidad de Concepción, Chile

Materials for the Oil and Gas Industry

Materials-related innovations in processing for oil and gas extraction, production, refining, and transportation.

Organizers: **Lorenzo Martinez Gomez**, Universidad Nacional Autónoma de México, Mexico; **Adriana da Cunha Rocha**, Universidade Federal do Rio de Janeiro-UFRJ, Brazil

Materials for Transportation

The latest developments in addressing critical materials issues across the breadth of transportation industries impacting Pan American countries.

Organizers: **Elvi Dalgaard**, Pratt & Whitney Canada; **Patricia Zambrano**, Universidad Autónoma de Nuevo León, Mexico

Minerals Extraction and Processing

New developments in the extraction of minerals and metals as a critical component of the supply chain for materials applications and advances across Pan America and around the world.

Organizers: **Mery Cecilia Gomez Marroquin**, Ingeniería Ambiental UNI, Peru; **Mark Schlesinger**, Missouri University of Science and Technology, USA; **Alejandro López Valdivieso**, Universidad Autónoma de San Luis Potosí, Mexico; **Carlos Hoffman Sampaio**, Universidade Federal do Rio Grande do Sul, Brazil

Nanocrystalline and Ultra-fine Grain Materials and Bulk Metallic Glasses

The latest research and developments in bulk metallic glasses, nanocrystalline materials, and ultrafine-grain materials.

Organizers: **Terence G. Langdon**, University of Southern California, USA; **Megumi Kawasaki**, University of Southern California/Hanyang University, USA/South Korea; **Roberto Figueiredo**, Universidade Federal de Minas Gerais, Brazil; **Jose Maria Cabrera**, Universitat Politècnica de Catalunya, Mexico/Spain

Steels

Recent innovations and potential future materials breakthroughs in advanced steels.

Organizers: **Omar Garcia-Rincon**, Ternium, Mexico; **Andre Costa e Silva**, Universidade Federal Fluminense, Niterói, Brazil

ORGANIZING SOCIETIES:



Colombian Materials Society



CHECK THE 3RD PAN AMERICAN MATERIALS CONGRESS WEBSITE REGULARLY FOR NEWS AND UPDATES: WWW.TMS.ORG/PANAMCONGRESS