

Energy Materials

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

2017

CO-LOCATED WITH THE

TMS 2017

146th Annual Meeting & Exhibition

THE WORLD COMES HERE.

ABSTRACT DEADLINE: JULY 1, 2016.

Submit online at www.tms.org/EnergyMaterials2017

Questions? Contact programming@tms.org

CALL FOR ABSTRACTS

Energy Materials 2017 will build on the success of the inaugural Energy Materials meeting, convened by TMS and the Chinese Society for Metals (CSM) in 2014 in Xi'an, China. Through invited talks by leading experts, as well as contributed presentations from the global technical community, Energy Materials 2017 will highlight materials research and innovations for a wide breadth of energy systems and technologies.

PLANNED SYMPOSIA

Energy and Environmental Issues in Materials Manufacturing and Processing

Keynote: *Zhang Chunxia, China Iron & Steel Research Institute*

Recent advances in the science and technology associated with energy and environmental issues in materials manufacturing and processing.

Materials in Clean Power

Advancements in materials technologies that are enabling progress in such areas as clean coal technologies, carbon capture, concentrated solar power, biomass fuels, and hydrogen-based power systems.

Materials for Coal-Based Power

Keynotes: *John Shingledecker, Electric Power Research Institute; Zhengdong Liu, China Iron & Steel Research Institute Sciences*

Materials issues associated with coal-based power generation.

Materials for Energy Conversion with Emphasis on SOFC

Materials science issues in SOFC technology processes, along with approaches to accelerate the development and acceptance of innovative materials and test techniques for clean energy technology.

Materials for Gas Turbines

Keynote: *Jian Zhang, Institute of Metal Research, Chinese Academy of Sciences*

Materials innovation within gas turbine technology, particularly as it relates to gas-fueled power plants.

Materials for Nuclear Energy

Keynotes: *Kurt A. Terrani, Oak Ridge National Laboratory; Han Enhou, Institute of Metal Research, Chinese Academy of Sciences*

Cutting-edge research and technology relevant to materials issues associated within the nuclear energy sector.

Materials for Oil and Gas

Keynotes: *Ke Lu, Institute of Metal Research, Chinese Academy of Sciences; Lei Zheng, Baosteel*

Materials technologies for oil and gas applications.

ENERGY MATERIALS 2017 ORGANIZING COMMITTEE

TMS

Representing TMS

Co-Chair: Xingbo Liu, West Virginia University
Subodh Das, Phinix
Jeffrey Fergus, Auburn University

Jeffrey Hawk, National Energy Technology Laboratory
Raul Rebak, GE Global Research
Indranil Roy, Schlumberger



Representing the Chinese Society for Metals

Co-Chair: Zhengdong Liu, China Iron & Steel Research Institute Group
Chengjia Shang, University of Science and Technology Beijing

Qing Song, The Chinese Society for Metals
Ji Zhang, China Iron & Steel Research Institute Group

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