



Materials Challenges In Alternative and Renewable Energy (MCARE) 2013

(Call for Papers)

Co-sponsored with The American Ceramic Society
<http://MCARE2013-Dunhuang.dconference.cn>

July.28-August.1,2013
Dunhuang,China





★ SCOPE OF MCARE2013

MCARE2013 (Materials Challenges in Alternative & Renewable Energy 2013) aims to facilitate information sharing on the latest developments in materials for alternative and renewable energy sources and systems. The overall efficiency, effectiveness and practicality of potential future energy sources and systems are directly related to many materials and related factors. Some of these key features include materials costs, availability and improvements in chemical, mechanical, electrical and thermal properties of materials now being considered, as well as the ability to produce and fabricate materials that work effectively in areas of energy generation, storage and distribution.

Energy 2013 will include tutorials and invited overview presentations on leading energy alternatives by global leaders as well as technical sessions addressing state-of-the-art materials issues involved with future energy sources systems.

Emphasis will be on materials challenges and innovations in areas of batteries and energy storage, biomass, electric grid, geothermal, hydrogen, hydropower, nuclear, solar power and wind.

★ HISTORY OF MCARE2013

The Materials Challenges in Alternative & Renewable Energy series of meetings was started in February 2008 in Cocoa Beach, Florida. This meeting was organized by The American Ceramic Society and ASM International under the leadership of George Wicks and Jack Simon. This meeting was designed with an interdisciplinary approach of assembling leading experts in the field to discuss and focus on materials innovations in an emerging hydrogen economy. In February 2010, ACerS teamed with AMS International plus the Society of Plastics Engineers to convene MCARE 2010 in Cocoa Beach, Florida. This second meeting attracted over 225 people and included participants from 20 countries, including China. MCARE 2012 is being held in February 2012 in Clearwater Beach, Florida and is expected to attract over 275 people. In 2011, ACerS, George Wicks and Jack Simon decided to organize an MCARE meeting every other year in the United States and to co-sponsor meetings in other countries. ACerS then agreed to co-sponsor MCARE 2013 in Dunhuang City, China.

Topics

- Wind
- Nuclear
- Batteries and Energy Storage
- Biomass
- Solar Power
- Hydropower
- Hydrogen
- Nanomaterials Nanocomposites for Energy

Conference Co-Chairs

- Prof. Zhiping Wang, Lanzhou University of Technology (LUT), China
- Prof. Yiyi Li, Institute of Metal Research, Chinese Academy of Sciences (IMR CAS), China
- Dr. George Wicks, Savannah River National Laboratory, Aiken, SC, USA
- Dr. Jack Simon, Technology Access, Aiken, SC, USA

Location

The MCARE2013 conference will be held in Dunhuang city, China. It was a major stop on the ancient Silk Road. It is best known for the nearby Dunhuang Caves.



Important Dates

- Last date for abstract submission: Jan. 30, 2013
- Notification of acceptance: Feb. 30, 2013
- Final paper submission date: Mar. 30, 2013
- Registration without late fee: May 30, 2013
- Conference Date: Jul. 28–Aug. 1, 2013



Contact Information

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