

CALL FOR PAPERS



Division of Energy and Fuels American Chemical Society Symposium

Theory and Simulation in Energy and Fuel Production and Utilization

August 19-23rd, 2012, Philadelphia, PA
244th American Chemical Society National Meeting & Exhibition

Call for Papers

The symposium will bring together researchers from math, physics, chemistry, materials science, and engineering to share their ideas and thoughts of using theory and simulation to understand the mechanisms involved in energy and fuel production and utilization, to identify some key problems in relevant techniques, and to accelerate the discovery and development in energy technologies and innovations. Topics include, but are not limited to:

- New theories and multi-scale methods for energy science
- Computational design of materials for energy conversion and storage
- Theory and simulation of battery and electrode materials
- Modeling of the utilization of a PEM fuel cell
- Simulation of hydrogen production and storage
- Numerical approach for nanostructure-based solar cells and other hybrid energy systems

Abstract and pre-print submission due date: April 10th, 2012

Submission of both an abstract and a pre-print are required. Please do this on-line at <http://abstracts.acs.org>

Instructions and pre-print template are available at <http://www.anl.gov/pcs/acsfuel/>

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