



American Chemical Society

Call for Papers

# Nanoporous Materials for Environmental Applications

At 239th ACS National Meeting & Exposition

San Francisco, California

March 21-25, 2010

Abstract Deadline: **October 19, 2009**

Activated carbon has long been used for water and air purification. Recent progress in nanotechnology has resulted in many other nano-structured materials and devices with exceptional chemical, physical and biological properties and functions. Notable materials include nanoporous silica, nanoporous carbon, and nano-material enhanced membranes. Many of these materials can be functionalized with reactive moieties for tailored applications important to environmental improvement and sustainability. Examples include sorption of both inorganic and organic contaminants, controlled release of pharmaceuticals with a purpose of reducing environmental contamination, and advanced membrane for desalination and water reuse. This symposium will bring researchers in this fast advancing, multidisciplinary field together to share the cutting knowledge on environmental application of nanoporous materials. A two-day symposium is proposed to accommodate the expected large number of papers.

The topics that would be covered in this session, but not limited to, are:

- Nanoporous materials preparation and characterization
- Naturally-occurring nanoporous materials
- Contaminant sorption and mass transfer in porous structures
- Controlled delivery of pharmaceuticals in fish and animal industries to reduce environmental contamination
- Advanced membranes for water treatment
- Gas storage

Please submit your abstracts using (<http://abstracts.acs.org>). Any other inquiries should be directed to Symposium Organizers:

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