Characterization of Nanoporous Materials: Correlating Textural Properties to Applications in Gas and Energy Storage, Separation, and Catalysis

Friday, August 8th, 2014
Huang Engineering Center, Mackenzie Room
Stanford University

http://www.regonline.com/nanoporousmaterials

Join Prof. Jennifer Wilcox and Dr. Erik Rupp (Stanford University) and Drs. Matthias Thommes and Katie Cychosz (Quantachrome Instruments) for a workshop that brings together students, faculty, and scientists from academia, industry and US National Laboratories.

The workshop program consists of invited lectures, short talks, and discussion sessions. Selected specific topics include:

- Correlating textural properties to applications of gas and energy storage, separations, and catalysis
- Discussing methods for assessing textural properties (e.g. surface area, pore size, porosity) of heterogeneous and highly disordered materials such as gas shale rocks, catalysts and adsorbents for gas storage and separation
- Connecting textural properties, adsorption behavior, catalytic reaction pathways, and gas-in-place estimates

Sponsored by Stanford’s Precourt Institute for Energy, Global Climate Energy Project, the School of Earth Sciences, the Department of Energy Resources Engineering, and Quantachrome Instruments