

**Quantachrome Instruments Workshop on Methods of Characterization and Evaluation
of Adsorbents for Industrial Applications**

**Thursday, November 2, 11:00-11:30 AM
Minneapolis Convention Center, Room 101J**

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High Pressure Adsorption Techniques for Assessing Adsorbents for Capture and Storage Applications

Use of porous materials for the capture and storage of gasses has been of interest for many years. Removal of CO₂ and other greenhouse gasses from industrial effluent is an important process for reducing the amount of these greenhouse gasses released into the atmosphere. Storage of CO₂ for use in subsequent processes or for sequestration is just as important as its removal. Storage of H₂ and CH₄, among other gasses is important in the transport and use of alternative fuels. Removal of CO₂ from CH₄ or H₂ is another application where adsorbents play a critical role. We will discuss the use of a commercially available high pressure gas sorption apparatus for the characterization of materials for gas capture and storage.