

SECOND ANNUAL CONFERENCE ON CARBON SEQUESTRATION
DEVELOPING & VALIDATING THE TECHNOLOGY BASE TO REDUCE CARBON INTENSITY

3-B
SEQUESTRATION – GEOLOGIC SINKS (2)

Chair: Neeraj Gupta (Battelle)

- 10:30 - 10:50 *Mixing Rates of Supercritical CO₂ with Brine in Deep Sedimentary Formations* - *B. Peter McGrail (Pacific Northwest Nat'l. Lab.), Mark D. White, Paul F. Martin, H. Todd Schaeff
- 10:50 - 11:10 *Biomimetic and Geologic Mineralization Approaches to Carbon Sequestration* - *Gillian M. Bond (New Mexico Tech), Brian McPherson, Aaron Abel, Peter Lichtner, Reid Grigg, John Stringer
- 11:10 - 11:30 *Direct Measurements of pH and Dissolved CO₂ Concentrations in H₂O-CO₂-NaCl Mixtures to Supercritical Conditions* *H. Todd Schaeff (Pacific Northwest Nat'l Lab.), B. Peter McGrail, Paul F. Martin
- 11:30 - 11:50 *Laboratory and Model Tests at Reservoir Conditions for CO₂-Brine-Carbonate Rock Systems Interactions* - *Reid B. Grigg (New Mexico Petroleum Recovery Research Center), Brian J. McPherson, Robert K. Svec
- 11:50 - 12:10 *Experimental Carbon Dioxide-Brine-Limestone Interaction at Elevated Temperature and Pressure: Implications for the Geologic Sequestration of CO₂ in Deep Saline Brines* - *Robert J. Rosenbauer (USGS), Tamer Koksalan
- 12:10 - 12:30 *Reactive Transport Modeling of Dissolved CO₂ in the Caprock Base During CO₂ Sequestration (Sleipner Site, North Sea)* - *Irina Gaus (French Geological Survey), France, Mohamed Azaroual

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