

2005 Carbon Capture & Sequestration Accepted Posters For Advanced Conversion/Capture Concepts

File No.	Date	Title	Author(s)	Topic Area
157	5-04-05	Carbon Dioxide Sequestration Potential of Calcifying Cyanobacteria	Brady D. Lee, William A. Apel and Michelle R. Walton	Advanced Conversion/Capture Concepts
205	5-04-05	Accelerated Carbonation of Contaminated Land and Waste Residues as a Contribution to Carbon Sequestration	S.J.R. Simons, M. Fernández Bertos, C.D. Hills and P. Carey	Advanced Conversion/Capture Concepts



2005 Carbon Capture & Sequestration Accepted Posters

For

Determination of the Contribution of Natural Sinks/Processes of Carbon Sequestration & Capture

File No.	Date	Title	Author(s)	Topic Area
147	5-03-05	Amino-acid salts for CO ₂ capture from flue gases	J.P. Brouwer, P.H.M. Feron, N.A.M. ten Asbroek	Determination of the Contribution of Natural Sinks/Processes of Carbon Sequestration & Capture
195	5-03-05	Spatial and Temporal Variations of SOC in Reclaimed Minesoils	M. K. Shukla and R. Lal	Determination of the Contribution of Natural Sinks/Processes of Carbon Sequestration & Capture
Poster 2*	5-03-05	A Preliminary Geologic Carbon Atlas for Washington and Oregon	Stephen D. Thomas, P.G., Paul Lapointe, Ph.D.	Determination of the Contribution of Natural Sinks/Processes to Carbon Sequestration & Capture

*Author Acceptance Pending on Abstract



2005 Carbon Capture & Sequestration Accepted Posters For Enhancing Natural Sinks/Terrestrial Sequestration

File No.	Date	Title	Author(s)	Topic Area
34	5-04-05	Forestry and Agriculture Greenhouse Gas Modeling Forum: Improving Representation of Terrestrial Sequestration in U.S. and Canadian Biophysical and Economic Models	Kenneth Andrasko, Steven Rose, Ralph Alig, Jan Lewandrowski, Robert MacGregor, Brian Murray	Enhancing Natural Sinks/Terrestrial Sequestration
75	5-04-05	Assessing carbon sequestration in a northern deciduous forest of Michigan, USA, 1999-2003	C.M. Gough, C.S. Vogel, H.P. Schmid, H-B. Su, P.S. Curtis	Enhancing Natural Sinks/Terrestrial Sequestration
Poster 3	5-04-05	Measuring Soil Carbon and Nitrogen Using Laser-Induced Breakdown Spectroscopy (LIBS)	Ronny D. Harris, Michael H. Ebinger, Clifton W. Meyer and David A. Cremers	Enhancing Natural Sinks/Terrestrial Sequestration - MMV Technologies

2005 Carbon Capture & Sequestration Accepted Posters For International Initiatives and Programs

File No.	Date	Title	Author(s)	Topic Area
167	5-03-05	Carbon sequestration through reforestation projects in China and Argentina: a multiple benefit approach	Lucia Perugini*; Riccardo Valentini; Antonio Lumicisi+	International Initiatives and Programs
168	5-03-05	The Way towards Zero Emission Power Generation – a European Perspective	Nick Otter	International Initiatives and Programs



2005 Carbon Capture & Sequestration Accepted Posters For Modeling and Assessment

File No.	Date	Title	Author(s)	Topic Area
226	5-04-05	Opportunities for Low-Cost CO ₂ Capture and Storage Demonstration Projects in China	Kyle Meng, Michael Celia , Robert H. Williams	Modeling and Assessment
227*	5-03-05	Glacial Clathrate Storage: A Potential Large Volume Carbon Store	David Sevier	Modeling and Assessment
14	5-04-05	Improvement on reflectance based carbon estimation models	S. Chod Stephens, V. Phil Rasmussen, R. Douglas Ramsey, Ralph E. Whitesides, Gregory S. Searle, Robert L. Newhall	Modeling and Assessments
30	5-04-05	A Spatially Explicit Assessment of Carbon Sequestration Potential in the Southwest Carbon Partnership Region	Robert Blaisdell, Joel Brown, Jay Angerer, Jerry Stuth	Modeling and Assessments
2	5-04-05	A Potential Role for "Slipstream" H ₂ from Coal IGCC with CO ₂ Capture and Storage in an Emerging H ₂ Economy for Transportation	Thomas G. Kreutz	Modeling and Assessments & Overview/Assessments of Carbon Sequestration Systems/Technologies

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2005 Carbon Capture & Sequestration Accepted Posters For Ocean Sequestration

File No.	Date	Title	Author(s)	Topic Area
16	5-04-05	Advanced technology for assessing the effects of CO ₂ sequestration on deep-sea organisms: A seafloor respiration system and a hyperbaric fish-trap respirometer	Barry, JP, Buck, KR, Drazen, J, Okuda, C., Levesque, C., Risi, M., Parker, M., Bird, L.	Ocean Sequestration
85 (1)	5-04-05	Formation And Dissolution Of Co ₂ Hydrate Composite Particles In A High-Pressure Water Tunnel Facility	Robert P. Warzinski, Ronald J. Lynn, David E, Riestenberg, Jorge Gabitto, Costas Tsouris,	Ocean Sequestration

2005 Carbon Capture & Sequestration Accepted Posters For Risk Assessment

File No.	Date	Title	Author(s)	Topic Area
176	5-03-05	Building Risk Assessment Models for CO2 Sequestration: Lessons from the Yucca Mountain Nuclear Waste Disposal Project	Srikanta Mishra	Risk Assessment
229*	5-03-05	SOCIETAL ATTITUDES TO CLEAN COAL ENERGY– AN EXERCISE IN KNITTING FOG	Anna Littleboy, Peta Ashworth, Ann Pisarski, Simon Niemeyer, Margaret Gooch and Naomi Boughen	Risk Assessment

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2005 Carbon Capture & Sequestration Accepted Posters For Sequestration of Carbon Emissions in Geologic Formations

File No.	Date	Title	Author(s)	Topic Area
0	5-03-05	Two micron continuous wave laser for optical detection of carbon dioxide	Kevin S. Repasky, Christopher Melton, John L. Carlsten, Joseph A. Shaw, and Lee Spangler	Sequestration of Carbon Emissions in Geologic Formations
6	5-03-05	Findings of Storage Potential Assessment in Deep Saline Formations in the Ohio River Valley Region	Neeraj Gupta, P. Jagucki, J. J. Dooley, M. J. Mudd, and C. W. Byrer	Sequestration of Carbon Emissions in Geologic Formations
7	5-03-05	Sequestration in Carbonate Aquifers: Rock and Brine Alterations during Super-Critical CO ₂ Injection in San Andres Formation, West Texas	GLORIA S. GARCIA, L.P. SNYDER, NECIP GUVEN, LORNE A. DAVIS	Sequestration of Carbon Emissions in Geologic Formations
8	5-03-05	2-D Numerical Modeling of a Fault Zone Leaking Carbon Dioxide in East Central Utah and Implications for MMV Protocols	McPherson, B. J., Heath, J., and Han, W	Sequestration of Carbon Emissions in Geologic Formations
10	5-03-05	A first-order assessment of potential CO ₂ storage capacity in U.S. basalt formations	Casie L Davidson, H Todd Schaefer, Robert T Dahowski	Sequestration of Carbon Emissions in Geologic Formations
13	5-03-05	The SECARB Stacked Storage Project	Ian Duncan Ph.D , Alan Lee Brown Ph.D.	Sequestration of Carbon Emissions in Geologic Formations
15	5-03-05	Enhanced Gas Hydrate Recovery with CO ₂ Sequestration	H. Todd Schaefer, B. Peter McGrail, Antoinette T. Owen, Bob Hunter, and Tao Zhu	Sequestration of Carbon Emissions in Geologic Formations
23	5-03-05	The Stability of Dawsonite	John P. Kaszuba , J. William Carey, Dale Counce	Sequestration of Carbon Emissions in Geologic Formations
37	5-03-05	The U-Tube: A Novel System for Sampling and Analyzing Multi-phase Borehole Fluid Samples during the Frio Brine Pilot Test	Barry M. Freifeld, Robert C. Trautz, Yousif K. Kharaka, Tommy J. Phelps, Larry R. Myer, Susan D. Hovorka, and Daniel J. Collins	Sequestration of Carbon Emissions in Geologic Formations

File No.	Date	Title	Author(s)	Topic Area
39	5-03-05	Reservoir geology of the Morrow Formation, eastern Colorado and western Kansas: implications for CO ₂ sequestration and EOR	David W. Bowen	Sequestration of Carbon Emissions in Geologic Formations
42	5-03-05	Numerical simulation of CO ₂ injection and sequestration in saline and hydrate bearing aquifers	M. D. White, B. P. McGrail	Sequestration of Carbon Emissions in Geologic Formations
44*	5-03-05	Deep Basalt Formations: A Reactive Reservoir for Permanent Carbon Dioxide Storage	B. Peter McGrail, H. Todd Schaefer, and Frank A. Spane	Sequestration of Carbon Emissions in Geologic Formations
47	5-03-05	CO ₂ /Brine/Carbonate Rock Interactions: Dissolution and Precipitation	Reid B. Grigg and Robert K. Svec, Peter C. Lichtner and William Carey, and Charles E. Lesher	Sequestration of Carbon Emissions in Geologic Formations
54	5-03-05	Aerometric Measurement of CO ₂ flux from Crystal Geyser, UT: Implications for Health, Safety, and Environmental Consequences of CO ₂ Leakage for a deep storage site	Frank Gouveia	Sequestration of Carbon Emissions in Geologic Formations
63	5-03-05	Basinwide Implications of Large CO ₂ Injected Volumes into Deep Saline Formations	Scott M. Frailey, Hannes Leetaru, Ed Mehnert, Mark A. Person and Victor Bense	Sequestration of Carbon Emissions in Geologic Formations
93	5-03-05	Estimates of CO ₂ Storage Capacity in Saline Aquifers of the PCOR Partnership Region	Steven A. Smith, James A. Sorensen, Erin M. O'Leary, Edward N. Steadman, and John A. Harju	Sequestration of Carbon Emissions in Geologic Formations
158	5-03-05	Studies of Carbon Dioxide Sorption on Argonne Premium Coals via Attenuated Total Reflectance-Fourier Transform Infrared Spectroscopy	Ryan N. Favors, Megan M. Hill, Angela L. Goodman, and John W. Larsen	Sequestration of Carbon Emissions in Geologic Formations
65	5-04-05	CO ₂ Sequestration and Enhanced Oil Recovery Potential in Illinois Basin Oil Reservoirs	Rex Knepp, Damon Garner, Scott M. Frailey, Beverly Seyler, John Grube, Don Keefer, and Sarah Rittenhouse	Sequestration of Carbon Emissions in Geologic Formations

File No.	Date	Title	Author(s)	Topic Area
66	5-04-05	Identification of Favorable Reservoir Properties for CO ₂ Sequestration and Enhanced Coalbed Methane Production in the Illinois Basin	Andrew Anderson, Thomas R. Moore, Scott M. Frailey, John A. Rupp, Cortland F. Eble	Sequestration of Carbon Emissions in Geologic Formations
71	5-04-05	An Inexpensive and Safe CO ₂ Capture and Storage Option Using Water Co-Produced with Oil	Greg H. Rau, Kevin Knauss, Ken Caldeira, Julio Friedmann	Sequestration of Carbon Emissions in Geologic Formations
94	5-04-05	Estimates of CO ₂ Storage Capacity in Oil Fields of the PCOR Partnership Region	Steven A. Smith, James A. Sorensen, Erin O'Leary, Edward N. Steadman, and John A. Harju	Sequestration of Carbon Emissions in Geologic Formations
97	5-04-05	Pore-scale studies of CO ₂ sequestration in geologic formations	Qinjun Kang and Peter C. Lichtner	Sequestration of Carbon Emissions in Geologic Formations
98	5-04-05	Mapping and Characterization for Geologic Sequestration by the Midwest Regional Carbon Sequestration Partnership (MRCSP)	WICKSTROM, LAWRENCE H., Erik R. Venteris, John A. Rupp, Stephen F. Greb, Gerald R. Baum, William B. Harrison, Kristin M. Carter Michael E Hohn	Sequestration of Carbon Emissions in Geologic Formations
114	5-04-05	CO ₂ Sequestration and Leakage Calculation using Enhanced Coalbed Methane Recovery Simulator	Yuki FUNAHASHI, Sohei SHIMADA, Koji YAMAMOTO, Osamu KITAMURA	Sequestration of Carbon Emissions in Geologic Formations
143	5-04-05	Horizontal Well for ECBM Recovery and CO ₂ Storage in Unminable Thin Seams: Pure CO ₂ vs CO ₂ Enriched Flue Gas	Sevket Durucan and Ji-Quan Shi	Sequestration of Carbon Emissions in Geologic Formations
159	5-04-05	Site Characterization of the Weyburn Field for Geological Storage of CO ₂ in southeastern Saskatchewan, Canada	Steve Whittaker, Ben Rostron, Zoltan Hajnal, Kyle Durocher, Jaime Jimenez, and Chris Hawkes	Sequestration of Carbon Emissions in Geologic Formations
165	5-04-05	CO ₂ Sequestration in Gas Shales of Kentucky	Brandon C. Nuttall, James A. Drahovzal, Cortland F. Eble, and R. Marc Bustin	Sequestration of Carbon Emissions in Geologic Formations
189	5-04-05	Underground Storage of CO ₂ - Kick- Off for a national research initiative as part of the German mitigation strategy	Dr. Ludwig Stroink	Sequestration of Carbon Emissions in Geologic Formations

File No.	Date	Title	Author(s)	Topic Area
194	5-04-05	History Matching of the Allison Unit CO ₂ -ECBM Pilot and Albert Flue Gas Injection Micro-Pilot Test: Validation and Application of a Dynamic Permeability Model	Ji-Quan Shi and Sevet Durucan	Sequestration of Carbon Emissions in Geologic Formations
197	5-04-05	Comparison of Gas Flux And Soil Gas Composition at Two Oil Fields: Rangely, Colorado With CO ₂ -EOR, and Teapot Dome, Wyoming at Baseline Condition	Ronald W. Klusman	Sequestration of Carbon Emissions in Geologic Formations
242	5-04-05	Stability, Reactivity, and Crystal Structure of Na-K Dawsonite	J. William Carey, Ren-Guan Duan, Steve Chipera, Rahul Dastidar	Sequestration of Carbon Emissions in Geologic Formations
183	5-04-05	Cavity Ringdown in MMV Technologies for Carbon Sequestration	Chuji Wang, Susan T. Scherrer, M. John Plodinec, and Jeff Lindner	Sequestration of Carbon Emissions in Geologic Formations
106	5-04-05	Pre-CO ₂ Injection Reservoir Assessment, Naval Petroleum Reserve No. 3, Natrona County, Wyoming	Kristin Dennen, William Burns, Robert Burruss, Kendra Hatcher	Sequestration of Carbon Emissions in Geologic Formations -or- Risk Assessment
221	5-04-05	Development of an empirical model to assess the CO ₂ -ECBM potential of a poorly explored basin	Ben Laenen and Alexandra Hildenbrand	Sequestration of carbon emissions in geological formations.

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2005 Carbon Capture & Sequestration Accepted Posters For Technology/Systems for the Measurement, Monitoring and Verification of Carbon Emissions

File No.	Date	Title	Author(s)	Topic Area
28	5-03-05	GIS Knowledge Integration for Carbon Sequestration: the Cyberinfrastructure Approach	G.N. Keating, P.M. Rich, M.S. Witkowski, and H.S.Viswanathan	Technology/Systems for the Measurement, Monitoring and Verification of Carbon Emissions
57 (2)	5-03-05	NATCARB carbon cyberinfrastructure: A Federation of Distributed Resources and Distributed Multidisciplinary Expertise	J. D. Bartley; Timothy R. Carr; Asif Iqbal; Melissa Moore; Kurt Look; and Kenneth Nelson	Technology/Systems for the Measurement, Monitoring and Verification of Carbon Emissions
69 *	5-03-05	Application of the API Compendium and SANGA™ Software to Geologic Sequestration Projects	Steven Crookshank, Susann Nordrum, Mahesh Gundappa, Terri Shires	Technology/Systems for the Measurement, Monitoring and Verification of Carbon Emissions
140 *	5-04-05	UK work on CCS and the EU ETS	Tim Dixon	Technology/Systems for the Measurement, Monitoring and Verification of Carbon Emissions
156	5-04-05	A promising remote sensing approach for mapping ecosystem carbon sequestration	Abdullah F. Rahman and Daniel A. Sims	Technology/Systems for the Measurement, Monitoring and Verification of Carbon Emissions
203	5-04-05	Airborne VHF Radar for the Remote Sensing of Biomass and Carbon	Patrick W. Johnson	Technology/Systems for the Measurement, Monitoring and Verification of Carbon Emissions

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2005 Carbon Capture & Sequestration Accepted Posters For Terrestrial Sequestration

File No.	Date	Title	Author(s)	Topic Area
136	5-04-05	Effects of nitrogen fertilization and crop rotation on soil carbon and nitrogen dynamics on a silt loam soil in west central Illinois	Sindhu Jagadamma, Rattan Lal, Robert G. Hoef, Eric A. Ade	Terrestrial Sequestration
141	5-04-05	Chemical and thermal oxidation procedures for routine determination of coal carbon in the reclaimed mined soils	D.A.N. Ussiri and R. Lal	Terrestrial Sequestration