



Fifth Annual Conference on Carbon Capture & Sequestration

*Taking Steps Toward Deployment
Utilizing the Accumulated Knowledge Base*

May 8 - 11, 2006
Alexandria Mark Center
Alexandria, Virginia

AGENDA

(including technical paper
schedule & room and poster list)

STEERING COMMITTEE...

Edward Helminski, Co-Chairman
ExchangeMonitor Publications & Forums

Robert Kane, Co-Chairman
U.S. DOE, Fossil Energy

Sean Plasynski, Co-Chairman
NETL, U.S. DOE

Bob Burruss
U.S. Geological Survey

Michael Curtis
U.S. DOE, Office of S&T Policy

Roger Dahlman
U.S. DOE Office of Science

Susan Donnely
U.S. Dept. of Int...Off. of Surface Mining

Jerry Elwood
U.S. DOE, Office of Science

Stephen Eule
U.S. DOE, Climate Change Tech. Prog.

George Guthrie
Los Alamos National Laboratory

Susan Hovorka
University of Texas at Austin

Anhar Karimjee
U.S. Environ. Protection Agency

John Litynski
DOE-NETL

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DOE-NETL

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Petroleum Technology Research Centre

Eric Peterson
National Science Foundation

Carolyn Preston
Canada, Petroleum Tech. Resource Centre

Dan Reifsnyder
U.S. State Dept.

Anne-Marie Thompson
Natural Resources Canada

Sarah Wade
AJW Inc.

Richard Walters
DOE-NETL, Albany Research Center

Nick Woodward
U.S. DOE Office of Science

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AGENDA

Monday, May 8th

3:00 REGISTRATION
6:00 COCKTAIL RECEPTION
7:00 OPENING DINNER

9:20 **THE U.S. COMMITMENT TO ACCELERATE THE DEPLOYMENT OF CARBON EMISSION REDUCTION TECHNOLOGIES**

10:50 **Perspectives on Developing Carbon Capture and Sequestration Technologies**

MODERATOR: **Robert Kane**
U.S. DOE
Fossil Energy

Tuesday, May 9th

8:00 **WELCOME/INTRODUCTORY REMARKS**

Sean Plasynski, Co-Chair
Conference Steering Committee
NETL-U.S. Dept. of Energy

Carl Bauer, Director
National Energy Technology
Laboratory, U.S. DOE

Introductory Remarks:

Jeff Jarrett
U.S. DOE, Office of
Fossil Energy

The Honorable Samuel Bodman
Secretary of Energy
U.S. DOE

A Public Interest Perspective on Deployment of Carbon Capture & Sequestration Technologies

Jonathan Pershing, Prog.
Director, Climate & Energy
World Resources Inst

David Hawkins, Director
Climate Center, Natural
Resources Defense Council

8:05 **OPENING KEYNOTE PLENARY**

9:45 **COFFEE BREAK**

U.S. PARTNERS WITH INDUSTRY TO ACCELERATE THE DEPLOYMENT OF CARBON EMISSION REDUCTION TECHNOLOGIES

MODERATOR: **Carl Bauer**
U.S. DOE

10:00 **DOE's Global Effort to Promote Development & Deployment of Carbon Capture & Sequestration—An Update on The 21 Nation Carbon Sequestration Leadership Forum**

MODERATOR: **Don McConnell**, Battelle Lab Ops.

Jeff Jarrett
Assistant Secretary
U.S. DOE Office of Fossil
Energy

11:40 **A Brief Look at Carbon Capture and Sequestration Technology Development Plans Worldwide**

Harry Audus, General
Manager International Energy
Agency Greenhouse Gas R&D

8:05 **The U.S. Internationally-Supported FutureGen Project**

Michael Mudd, Executive
Director/CEO
FutureGen Alliance

12:05 **The DOE Climate Change Technology Program—Coordinating the Administration-wide Investment in Carbon Emission Reduction Technologies**

Steve Eule, Director
Climate Change Technology
Program, U.S. DOE

8:30 **Perspectives from the Power Generation Industry on Utilizing CO₂ Emission Reduction Technologies—Investing and Deploying**

Jeff Sterba, Chairman/ President/
CEO PNM Resources; Chair,
Edison Electric Institute; CEO,
Climate Change Task Force

10:15 **Capture and Storage of CO₂—A Compendium of Canadian Organizations and Activities**

Graham R. Campbell
Director General
Office of Energy Research &
Development Natural
Resources Canada

12:30 LUNCH

*Co-Hosted by: Exchange Monitor
Publications & Forums and
Battelle*

8:55 **DOE Initiatives Spur Private Industry Investment—The BP-Edison International Carson City, CA Project**

Gardiner Hill, Manager
Environmental Technology BP plc

...An Invitation to Contribute to the Development of a Best Practices Manual based on Experience Gained on the Weyburn-Midale CO₂ Monitoring Project

Dr. Carolyn K. Preston, P. Eng., Project Integrator IEA
GHG Weyburn-Midale CO₂
Monitoring and Storage Project

Wednesday, May 10th

8:00 An Assessment of Geological Carbon Dioxide Capture & Storage Technologies Based on The Intergovernmental Climate Change Panel Special Report

MODERATOR:

David Hawkins, Natural Resources Defense Council

Howard Herzog, Principal Research Engineer, Laboratory for Energy and the Environment; Massachusetts Institute of Technology; A Lead Author, IPCC Special Report on Carbon Dioxide Capture and Storage

8:25 A Vision of the Future for Large-Scale Geological CC&S Deployment

James J. Dooley, Senior Scientist Joint Global Change Research Institute, Battelle

8:50 A Panel Session--The Need to Build Convincing Long Term Models of Carbon Sequestration in Geological Reservoirs

MODERATOR: **Rich Walters**
U.S. DOE-NETL

Topics to be addressed:

- Hydrological, Geochemical and Geomechanical Modeling for CO₂ Sequestration
- Challenges and Applications for Next Generation Models of Geologic CO₂ Storage
- An Industrial Perspective on the Use of Models for Geological Sequestration of CO₂
- The Role of Modeling in a Regulatory Framework for Geological Sequestration of CO₂

Panelists include: **James Johnson**, Lawrence Livermore National Lab; **Dan Kieke** Chevron Energy Technology Co.; **Susan Lopez**, Region 6, EPA; **Dr. Larry Myer**, Lawrence Berkeley National Lab

10:00 The Challenge of Utilizing Terrestrial Sequestration to Mitigate Atmospheric Carbon Emissions

Sandra Brown
Winrock International

10:20 COFFEE BREAK

ACKNOWLEDGEMENT

We would like to take this opportunity to thank the Steering Committee for their support during the past year. We would also like to recognize and thank those individuals volunteering their time and energy to become members of the Abstract Review Team.

Ken Andrasko
James Blencoe
Dubravka Bulut
Tim Carr
Roger Dahlman
Jim Drahovzal
Edward Helminski
Anhar Karimjee
Bruce Kobelski
Hannes Leetaru
John Litynski
Kanwal Majahan
Brian McPherson
Blaine Metting

Tom Mikus
Tom Nelson
Rajesh Pawar
Eric Peterson
John Rupp
David Schmalzer
Yixin Shao
Lee Spangler
Keith Taniguchi
John Tombari
John Veil
Bob Van Voorhees
Rich Walters
Lucian Wielopolski

Thursday, May 11th

7:00 CONTINENTAL BREAKFAST
Co-Hosted by Exchange Monitor Publications & Forums and Southern States Energy Board (SSEB)

8:00 **A Multilateral Initiative to Utilize Residual Coal to Power the U.S. and Growing Asian-Pacific Economies –The Asia Pacific Partnership on Clean Development and Climate**

MODERATOR: **Edward Helminski**, EM Pubs & Forums

Stephanie Kinney
Senior Coordinator for the Asia-Pacific Partnership on Clean Development and Climate (APP), Office of Global Change

8:25 **The Regional Partnerships Move On To Evaluate Potential Sequestration Sites**

MODERATOR: **John Litynski**, U.S. DOE-NETL

Dr. Robert J. Finley, Center Dir. Illinois State Geological Survey MW Geological Sequestration Consortium

Ken Nemeth, Executive Director Southern States Energy Board SE Reg. Carbon Sequestration

Edward Steadman, Sr. Research Advisor; Energy & Env.; Research Ctr. Plains CO2 Reduction Partnership

Robert Smith, Dir. Spec. Projs.; Montana State Univ.- Bozeman Big Sky Regional Carbon Sequestration Partnership

Dr. Brian J. McPherson
NM Institute of Mining & Technology Southwest Regional Partnership on Carbon Sequestration

Dr. Larry Myer, Technical Director California Energy Commission Lawrence Berkeley National Lab, West Coast Regional Carbon Sequestration Partnership

David A. Ball, Manager Battelle; MW Reg. Carbon Sequestration Partnership

10:00 **COFFEE BREAK**
Co-Hosted by Exchange Monitor Publications & SSEB

10:15 **The Evolving Regulatory Scheme for Governing the Capture, Storage and Sequestration of Carbon Dioxide Emissions**

MODERATOR: **Michael Curtis**, U.S. DOE Office of S&T Policy

Topics to be addressed:

- Just What are Carbon Emissions—
- A Resource, A Pollutant, A Waste?;
- Does EPA's Deep Well Injection of Hazardous Waste Regs Provide a Useful Model?;

- Current State Regulations that Could Apply to Carbon Storage/Sequestration;
- New Initiatives Underway to Focus on Developing a Regulatory Framework

Panelists include: **Robert F. Van Voorhees**, Bryan Cave LLP; **Bruce Kobelski**, U.S. EPA; **John A. Veil**, Argonne Nat'l Lab; **Jeff Logan** WRI; **Gardiner Hill**, BP Chair, Carbon Capture and Storage Association

11:15 **Perspectives from U.S. Congress and on Moving Forward to Facilitate Carbon Capture and Sequestration**

MODERATOR: **Edward Helminski**, EM Pubs & Forums

Panelists Include: **David Conover**, Independent Consultant; **Drew Willison**, Senate E&W Approps

12:15 **UPDATE ON DOE SEQUESTRATION PROGRAM/ CONFERENCE CLOSING REMARKS**

Sean Plasynski, Co-Chair Conference Steering Committee, NETL-U.S. Dept. of Energy

12:45 **CONFERENCE ENDS**

Presentation Schedule

Tuesday	1 - A	1 - B	1 - C	1 - D	1 - E
Sub Topic	Policy	Geologic - Monitoring, Mitigation, and Verification	Oxy-Combustion (1)	Capture - Membranes (1)	CO2 Conversion
Moderator	Dan Kieke	John Tombari	David Schmalzer	Eric Peterson	Dr. Andrew Chizmeshya
Room	Plaza A	Plaza B	Walnut	Beech	Plaza C
1:30	Addressing Public Policy Issues Facing Long Term CO2 Storage In Texas / Presenter: Ian J. Duncan / Affiliaton: Bureau of Economic Geology, Jackson School of Geosciences, The University of Texas at Austin / Assigned No: 201	Sensitivity of Pressure Measurements For Detecting Leakage of Carbon Dioxide from a Geological Storage Site / Presenter: Sally M. Benson / Affiliaton: Earth Sciences Division, Lawrence Berkeley National Laboratory / Assigned No: 186	Oxycombustion Technology Research through the DOE-NETL Carbon Sequestration Program / Presenter: Timothy Fout / Affiliaton: National Energy Technology Laboratory, U. S. Department of Energy / Assigned No: 017	Nanoengineering of Surfaces: Solvent-Less Vapor Deposition Followed by In-Situ Polymerization (SLIP) / Presenter: Kevin C. O'Brien / Affiliaton: Lawrence Livermore National Laboratory / Assigned No: 198	Enhancing Aqueous Olivine Carbonation Reactivity, While Avoiding the Cost of Mineral Pretreatment Activation / Presenter: Michael J. McKelvy / Affiliaton: Center for Solid State Science, Arizona State University / Assigned No: 180
1:50	Sequestration and Success: The Cost Impact of Reporting Protocols and Other Requirements / Presenter: Jesse E. Gandee / Affiliaton: Augusta Systems / Assigned No: 149	Measuring Surface and Shallow Gas Flux and Composition as a Prelude to Geologic Carbon Sequestration in Eastern Kentucky / Presenter: Thomas M. Parris / Affiliaton: Kentucky Geological Survey, University of Kentucky / Assigned No: 155	Integrated Pollutant Removal with Oxy-Fuel Combustion: Current Technology Applied to CO2 and Multi-Pollutant Capture / Presenter: Bill O'Connor / Affiliaton: National Energy Technology Laboratory, U. S. Department of Energy / Assigned No: 055	Supported Ionic Liquid Membranes for Carbon Dioxide Separation / Presenter: David Luebke / Affiliaton: National Energy Technology Laboratory, United States Department of Energy / Assigned No: 025	Development of a Carbon Sequestration Process by the Carbonation Reaction of Waste Streams Containing Calcium or Magnesium / Presenter: Akihiro Yamasaki / Affiliaton: National Institute of Advanced Industrial Science and Technology / Assigned No: 088
2:10	Squaring the Long View: Regulatory and Geological Considerations for Establishing Future Research Agendas for Carbon Capture and Sequestration / Presenter: Elizabeth J. Wilson / Affiliaton: University of Minnesota / Assigned No: 084	Development of MM&V Models for Geological Sequestration / Presenter: Jeff Lindner / Affiliaton: Institute for Clean Energy Technology, Mississippi State University / Assigned No: 122	Oxy-Combustion Process for CO2 Capture from Coal-Fired Power Plants: Engineering Case Studies and Cost Assessment / Presenter: Florian Gautier / Affiliaton: American Air Liquide / Assigned No: 060	Flue Gas CO2 Capture / Presenter: Michael C. Trachtenberg / Affiliaton: Carbozyme, Inc / Assigned No: 039	CO2 Mineralization in Calcium Silicate Building Products / Presenter: Yixin Shao / Affiliaton: Department of Civil Engineering, McGill University / Assigned No: 086
2:30	Will Maturing GHG Markets Make IGCC the Coal Technology of Choice? / Presenter: Scott Olson / Affiliaton: Nexant, Inc. / Assigned No: 007	CO2 and O2 MMV Framework to Quantify Potential Leaks from Geo-Sequestration: Technologies for Detection for Risk Abatement / Presenter: Dr. Manvendra K. Dubey / Affiliaton: Los Alamos National Laboratory / Assigned No: 092	OFFCET – A Novel Power Production Cycle Concept / Presenter: Kirsten Foy / Affiliaton: DIT / Assigned No: 087	Pre- and Post-Combustion CO2 Strategies Using Membranes / Presenter: Richard A. Callahan / Affiliaton: Enerfex Corporation / Assigned No: 089	Sequestering Carbon Dioxide by Accelerated Curing of Concrete / Presenter: Robert Niven / Affiliaton: McGill University, Department Civil Engineering, McGill University / Assigned No: 054
2:50	Atmospheric Option Value of Carbon Mitigation / Presenter: Bryan Mignone / Affiliaton: Department of Geosciences, Princeton University / Assigned No: 077	Laser Based Differential Absorption Carbon Dioxide Sensor / Presenter: Seth D. Humphries / Affiliaton: Montana State University / Assigned No: 219	Kimberlina - A Zero-Emission Multi-Fuel Power Plant and Demonstration Facility / Presenter: Brian Griffin / Affiliaton: Clean Energy Systems, Inc. / Assigned No: 202	Polyimide and Polybenzimidazole Derivatives for Gas Separation Applications. / Presenter: John R. Klaehn / Affiliaton: Idaho National Laboratory / Assigned No: 094	Reduction of CO2 Emissions by Production of Calcium Carbonates from Calcium Silicates and Steelmaking Slags / Presenter: Sebastian Teir / Affiliaton: Laboratory of Energy Engineering and Environmental Protection, Helsinki University of Technology / Assigned No: 041
3:10	Phase I And Phase II Carbon Capture and Transportation Working Group Activities of the Carbon Sequestration Regional Partnership Program / Presenter: José Figueroa / Affiliaton: National Energy Technology Laboratory, U. S. Department of Energy / Assigned No: 053	A Statistical Algorithm to Detect and Quantify CO2 Leakage for the Verification of Geologic Carbon Sequestration / Presenter: Jennifer L. Lewick / Affiliaton: Earth Sciences Division, Lawrence Berkeley National Laboratory / Assigned No: 128	Development of Clean Combustion Processes with CO2 Capture: An Overview of the Oxy-Fuel Combustion Program and Test Facility at CANMET / Presenter: Carlos Salvador / Affiliaton: Clean Electric Power Generation / Assigned No: 204	Nanocomposite and Ionic Materials for CO2 Capture / Presenter: Maciej Radosz / Affiliaton: Soft Materials Laboratory, Department of Chemical and Petroleum Engineering, University of Wyoming / Assigned No: 224	Mitigation of Dispersed Emissions through CO2 Capture from Air / Presenter: Frank Zeman / Affiliaton: Columbia University / Assigned No: 081
3:30	C O F F E E B R E A K				

Presentation Schedule

Tuesday	2 - A	2 - B	2 - C	2 - D	2 - E
Subtopic	Programs	Geologic - Monitoring, Mitigation, and Verification (Field)	Oxy-Combustion (2)	Capture Technologies (1)	Well Integrity
Moderator	Ram Srivastava	Dubravka Bulut	Timothy Fout	Christopher Mahoney	Rajesh Pawar
Room	Plaza A	Plaza B	Walnut	Beech	Plaza C
4:00	Potential for Utilization of Sequestration Technologies in the U.S. Electricity Generation Sector / Presenter: Robert Smith, Zia Haq / Affiliaton: Energy Information Administration, U. S. Department of Energy / Assigned No: 112	IEA GHG Weyburn-Midale CO2 Monitoring and Storage Project-Final Phase / Presenter: Carolyn K. Preston, Michael Monea / Affiliaton: IEA GHG Weyburn-Midale CO2 Monitoring and Storage Project, Devon Research Centre / Assigned No: 020	Fuel Fired Zero Emissions Power Plant Cycles with Oxygen Ion Transport Membranes (History and State-of-the-Art) / Presenter: Kirsten Foy / Affiliaton: DIT / Assigned No: 011	Intelligent Design of Solid Sorbents for Pre- and Post-Combustion CO2 Capture / Presenter: Eric Grol / Affiliaton: National Energy Technology Laboratory, U. S. DOE / Assigned No: 150	CO2 Storage - Managing the Performance and Risks Associated with Well Leakage / Presenter: Jean Desroches / Affiliaton: Etudes et Production Schlumberger / Assigned No: 095
4:20	A Major European Initiative: The Castor Project (CO2 from Capture to Storage) Objectives and Major Achievements / Presenter: Pierre Le Thiez / Affiliaton: Institut Français du Pétrole / Assigned No: 078	Two Years of Geological CO2 Storage at In Salah / Presenter: Iain W. Wright / Affiliaton: BP International / Assigned No: 170	CO2 Capture by Membrane Based Oxy-Fuel Boiler / Presenter: Minish M. Shah / Affiliaton: Praxair, Inc. / Assigned No: 014	Solvent and Process Enhancements for CO2 Absorption/Stripping / Presenter: Gary T. Rochelle / Affiliaton: The University of Texas at Austin / Assigned No: 125	Numerical and Observational Studies of Cement Carbonation at Well 49-6, SACROC Field, West Texas / Presenter: J. William Carey / Affiliaton: Los Alamos National Laboratory / Assigned No: 021
4:40	U.S. DOE Carbon Capture and Separation Program: A Technology Development Program with a Commercialization Focus / Presenter: José D. Figueroa / Affiliaton: National Energy Technology Laboratory, U. S. Department of Energy / Assigned No: 052	Successful Borehole Seismic Imaging of Injected CO2 in a Deep Saline Formation / Presenter: Thomas M. Daley / Affiliaton: Earth Sciences Division, Lawrence Berkeley National Laboratory / Assigned No: 183	Advanced Pulverized Coal Oxyfuel Combustion / Presenter: Jared Ciferno / Affiliaton: National Energy Technology Laboratory, U. S. Department of Energy / Assigned No: 032	Evaluating CO2 Capture Options for a Refinery FCC Unit Regenerator / Presenter: George F. Schuette / Affiliaton: ConocoPhillips / Assigned No: 026	Carbon Dioxide Effect on Portland Cement Estimated by Mercury Intrusion Porosimetry / Presenter: Olivier Porcherie / Affiliaton: Schlumberger Riboud Product Center / Assigned No: 104
5:00	Assessing the Potential of Carbon Capture and Storage in Belgium for the Period 2010 - 2050: The Policy Support System for Carbon Capture and Storage (PSS-CCS) / Presenter: Ben Laenen / Affiliaton: VITO / Assigned No: 028	Importance of Seismic Reflection Data in Planning a Carbon Sequestration Project in Deep Saline Reservoirs / Presenter: Hannes E. Leetaru / Affiliaton: Illinois State Geological Survey / Assigned No: 076	Forcing of Zero Emissions Piston Engine by Oxygen Enrichment in Membrane Reactor (HiOx-ZEMPES Project) / Presenter: Kirsten Foy / Affiliaton: DIT / Assigned No: 012	Novel Tertiary Amine Solid Adsorbents Used for the Capture of Carbon Dioxide / Presenter: M. L. Gray / Affiliaton: National Energy Technology Laboratory, US Department of Energy / Assigned No: 006	Geochemical Effects of CO2 Sequestration on Well Bore Cements Under Simulated In-Situ Conditions / Presenter: Marcus Wigand / Affiliaton: Los Alamos National Laboratory / Assigned No: 107
5:20	Geological Storage of CO2 in Germany - R&D-Highlights from the National Network of Public/Private Partnerships / Presenter: Ludwig Stroink / Affiliaton: GEOTECHNOLOGIEN / Assigned No: 079	Design and Deployment of Integrated Instrumentation System in a Monitoring Well at the Penn West Pilot, Alberta, Canada / Presenter: Gonzalo Zombrano / Affiliaton: The University of Alberta / Assigned No: 035	Recovery of Liquid CO2 and Particulates from Biomass-Fired Power Plants Using Pressurized Oxy-Fuel Combustion / Presenter: Alex G. Fassbender / Affiliaton: ThermoEnergy Corporation / Assigned No: 023	Carbon Dioxide Capture from Flue Gas Using Ionic Liquids / Presenter: Dr. Joan F. Brennecke / Affiliaton: Department of Chemical and Biomolecular Engineering, University of Notre Dame / Assigned No: 031	Numerical Simulation of Multiphase Flow of CO2 Along Low Permeability Path Up the Wells - Introduction of the Interactions with Cement / Presenter: Bruno Huet / Affiliaton: Department of Civil and Environmental Engineering, Princeton University / Assigned No: 143
5:40	An Industry/EPRI Initiative on CO2 Capture / Presenter: Richard Rhudy / Affiliaton: Electric Power Research Institute / Assigned No: 113	Geologic Considerations for CO2 Injection at the West Pearl Queen Field / Presenter: John C. Lorenz / Affiliaton: Sandia National Laboratories / Assigned No: 119		Optimization of the Integrated Geological Sequestration of Carbon Dioxide in the Illinois Basin / Presenter: Massoud Rostam-Abadi / Affiliaton: Illinois State Geological Survey, Dept of Civil & Environmental Engineering, University of Illinois at Urbana Champaign / Assigned No: 136	UIC Program Mechanical Integrity Testing: Lessons for Carbon Capture and Storage? / Presenter: Jonathan J. Koplos / Affiliaton: The Cadmus Group, Inc. / Assigned No: 139
6:00	Emerging Oil and Gas Technologies with Potential Application to CO2 Sequestration / Presenter: Brad Tomer / Affiliaton: Strategic Center for Natural Gas and Oil, National Energy Technology Laboratory / Assigned No: 223	Carbon Sequestration in Reactive Geologic Sinks: Big Sky Carbon Sequestration Partnership Phase II Activities / Presenter: Robert Smith / Affiliaton: Big Sky Carbon Sequestration Partnership / Assigned No: 067		CO2 Capture Using Lime as Sorbent in an Entrained Mode / Presenter: John Oakley / Affiliaton: Energy Technology Centre, Cranfield University / Assigned No: 044	A Review of Wellbore Issues Surrounding Geological Storage of CO2 / Presenter: Charles Christopher / Affiliaton: BP Americas / Assigned No: 225

Presentation Schedule

Wednesday	3 - A	3 - B	3 - C	3 - D	3 - E
Subtopic	Geologic Storage - Regional Assessments	CCS Economic Analyses	Regulatory Analysis	Advanced Capture	Terrestrial Sequestration (1)
Moderator	Jim Drahovzal	Dubravka Bulut	John Veil	Jose Figueroa	Ram Srivastava
Room	Plaza A	Plaza B	Walnut	Beech	Plaza C
10:35	Carbon Cyberinfrastructure: The Future of Natcarb / Presenter: Timothy R. Carr / Affiliaton: Energy Research Section, Kansas Geological Survey, University of Kansas / Assigned No: 098	Market-Based Advanced Coal Power Systems Comparison Study – CO2 Capture Cases / Presenter: Jared Ciferno / Affiliaton: National Energy Technology Laboratory / Assigned No: 126	How Does the Regulatory Status of Carbon Dioxide from Various Sources Affect the Regulation of Geological Storage? / Presenter: Michel J. Paque / Affiliaton: Ground Water Protection Council / Assigned No: 158	CO2 Capture by Formation of Hydrates Economic Analysis and New Promoter Process / Presenter: Robert Currier / Affiliaton: Nexant, Inc. / Assigned No: 068	Terrestrial Carbon Sequestration: Setting the Stage / Presenter: Robin Graham / Affiliaton: U.S. Environmental Protection Agency / Assigned No: 226
10:55	Southwest Regional Partnership on Carbon Sequestration: The 'String of Pearls' Integrated Assessment Model / Presenter: Peter H. Kobos / Affiliaton: Sandia National Laboratories / Assigned No: 019	The Value of Advanced CO2 Capture Technologies for the MRCSP Regional Economy / Presenter: Bob Dahowski / Affiliaton: Battelle – Pacific Northwest Division / Assigned No: 065	A Model Code for Carbon Capture & Storage: Establishing the Regulatory Framework to Enable Technology Deployment / Presenter: Kipp A. Coddington / Affiliaton: Alston & Bird / Assigned No: 043	Optimum Pressure and Concentration of CO2 in Flue Gases for CO2 Capture by Antisublimation / Presenter: Denis Clodic / Affiliaton: Ecole des Mines de Paris – Center for Energy and Processes / Assigned No: 069	Fly Ash Characteristics and Carbon Sequestration Potential / Presenter: Anthony V. Palumbo / Affiliaton: Oak Ridge National Laboratory / Assigned No: 185
11:15	Characterization of West Coast Sedimentary Basins for Geologic Sequestration / Presenter: Larry Myer / Affiliaton: California Energy Commission / Assigned No: 118	The Cost of Decarbonized Electric Power Retracted Lignites using IGCC with CO2 Capture and Storage / Presenter: Thomas G. Kreutz / Affiliaton: Princeton Environmental Institute, Princeton University / Assigned No: 108	Acid Gas Injection in North America: Lessons Learned for Geologic Sequestration of Carbon Dioxide / Presenter: Ken Klewicki / Affiliaton: The Cadmus Group, Inc. / Assigned No: 140	CO2 Hydrate Formation in a Continuous Flow Reactor / Presenter: Dali Yang / Affiliaton: Los Alamos National Laboratory / Assigned No: 120	New Analytical Modalities for Soil Carbon Analysis: Overview of the Inelastic Neutron Scattering System / Presenter: Lucian Wielopolski / Affiliaton: Brookhaven National Laboratory / Assigned No: 066
11:35	Downscaling Capacity from a Regional to a Site Scale - A Case Study for the Southeastern U.S. / Presenter: Susan D. Hovorka / Affiliaton: Gulf Coast Carbon Center, Bureau of Economic Geology, Jackson School of Geosciences, The University of Texas at Austin / Assigned No: 142	Estimating Future Costs of Power Plant CO2 Capture / Presenter: Edward S. Rubin / Affiliaton: Carnegie Mellon University / Assigned No: 058	CCS w/ Biomass and Landfill Gas	Preliminary Assessment of Direct FuelCell Systems for Combined Power Generation and Carbon Dioxide Separation / Presenter: Hossein Ghezal-Ayagh / Affiliaton: FuelCell Energy, Inc / Assigned No: 124	Advances in Calibrating Laser-Induced Breakdown Spectroscopy (LIBS) for Measuring Total Soil Carbon / Presenter: Ronny D. Harris / Affiliaton: Los Alamos National Laboratory / Assigned No: 114
			Moderator: Charles Byrer		
11:55	Geologic Storage Options and Capacities for Carbon Dioxide Sequestration in the Midwest Regional Carbon Sequestration Partnership (MRCSP) / Presenter: Larry Wickstrom / Affiliaton: Ohio Division of Geological Survey / Assigned No: 147	Clean Coal Combustion – Competitive Solutions for Near Zero Emissions / Presenter: John Marion / Affiliaton: ALSTOM / Assigned No: 051	Development of an Intelligent Bioreactor Management Information System for Mitigation of Greenhouse Gas Emissions from Landfills / Presenter: Paul T. Imhoff / Affiliaton: Department of Civil and Environmental Engineering, University of Delaware / Assigned No: 206	Conceptual Design of a Supersonic CO2 Compressor / Presenter: Shawn P. Lawlor / Affiliaton: Ramgen Power Systems / Assigned No: 099	Development of a Rapid Assessment Method for Quantifying Carbon Sequestration on Reclaimed Coal Mine Sites / Presenter: Sally Maharaj / Affiliaton: Department of Forestry, University of Kentucky / Assigned No: 030
12:15	Mountaineer Project – Lessons Learned and Implications for Regional and Local Storage Potential and Path Forward in the Appalachian Basin / Presenter: Neeraj Gupta / Affiliaton: Battelle / Assigned No: 175	Comparing Coal IGCC with CCS and Wind-CAES Baseload Power Options in a Carbon-Constrained World / Presenter: Samir Succar / Affiliaton: Princeton Environmental Institute, Princeton University / Assigned No: 192	Hydrogen and Electricity from Biomass with and without Carbon Capture and Storage / Presenter: Eric D. Larson / Affiliaton: Princeton Environmental Institute, Princeton University / Assigned No: 181		Enhancing Soil Carbon Sequestration in Hybrid Poplar Plantations through Plant Genetics / Presenter: Stan D. Wullschlegel / Affiliaton: Environmental Sciences Division, Oak Ridge National Laboratory / Assigned No: 218
12:35	LUNCH				

Presentation Schedule

Wednesday	4-A	4-B	4-C	4-D	4-E
Subtopic	Geologic Deployment Activities	Public Acceptance	Geologic Storage - Modeling	Capture - Membranes (2)	Terrestrial Sequestration (2)
Moderator	Gerald Hill	Christopher Mahoney	Dawn Deel	Eric Grol	Dubravka Bulut
Room	Plaza A	Plaza B	Walnut	Beech	Plaza C
1:35	Industrial Applications of Hydrogen Manufacture from Fossil Fuels 21th Geological Storage of CO ₂ / Presenter: Iain W. Wright / Affiliaton: BP International / Assigned No: 169	The Role of Environmental Advocacy Groups in the Advancement of Carbon Capture and Storage (CCS) / Presenter: Jennie C. Stephens / Affiliaton: Clark University / Assigned No: 001	The ICE Framework for CO ₂ Storage Site Characterization / Presenter: S. Julio Friedmann / Affiliaton: Lawrence Livermore National Laboratory / Assigned No: 070	Membrane Selection and Placement for Optimal CO ₂ -Capture from IGCC Power Plants / Presenter: J. Marano / Affiliaton: National Energy Technology Laboratory, U. S. Department of Energy / Assigned No: 033	Estimating the Economic Potential for Agricultural Soil Carbon Sequestration in the Central United States Using an Aggregate Econometric-Process Simulation Model / Presenter: Susan M. Capalbo / Affiliaton: Big Sky Regional Carbon Sequestration Partnership / Assigned No: 045
1:55	SECARB's Saline Aquifer Pilot Test -- Site S Retracted / Presenter: Vello A. Kuuskraa / Affiliaton: Advanced Resources International, Inc. / Assigned No: 144	Building Public Acceptance for the Regional Carbon Sequestration Partnerships – Phase II Planned Activities / Presenter: Daniel J. Daly / Affiliaton: Plains CO ₂ Reduction Partnership / Assigned No: 103	A GIS-Based Model for CO ₂ Pipeline Transport and Source-Sink Matching Optimization / Presenter: Howard Herzog / Affiliaton: Massachusetts Institute of Technology / Assigned No: 082	Mechanical and Transport Behavior of PBI Dense Films Used for Elevated Temperature Gas Separation / Presenter: Alan R. Greenberg / Affiliaton: Department of Mechanical Engineering, University of Colorado / Assigned No: 059	Terrestrial Carbon Sequestration Options for the West Coast Region / Presenter: John Kadyszewski / Affiliaton: Winrock International / Assigned No: 197
2:15	SaskPower Clean Coal Project / Presenter: Max Ball / Affiliaton: SaskPower / Assigned No: 210	Prepa No Presentation CS "Common Knowledge" / Presenter: Elizabeth L. Malone / Affiliaton: Joint Global Change Research Institute / Assigned No: 038	Long-Term Simulations of CO ₂ Storage in Saline Aquife / Presenter: Yann Le Gallo / Affiliaton: Institut Français du Pétrole / Assigned No: 085	Advanced Membrane Reactors for Fuel Decarbonisation in IGCC: H ₂ or CO ₂ Separation? / Presenter: Michiel C. Carbo / Affiliaton: Energy Research Centre of the Netherlands / Assigned No: 097	Terrestrial Carbon Sequestration Options for the Southeast Region: Co-Firing Biomass in Coal-Fired Power Plants / Presenter: Aaron Dushku / Affiliaton: Winrock International / Assigned No: 199
2:35	CO ₂ Carbonate Reef Sequestration, SACROC/Claytonville Southwest Partnership Phase 2 Project / Presenter: Mark H. Holtz / Affiliaton: Bureau of Economic Geology, The University of Texas at Austin / Assigned No: 111	Public Attitudes Toward Geological Disposal of Carbon Dioxide in Canada / Presenter: Jacqueline Sharp / Affiliaton: School of Resource and Environmental Management Simon Fraser University / Assigned No: 160	Integration of a CO ₂ Sequestration System Model and Diverse Geospatial Data using Standalone GIS Applications / Presenter: Gordon N. Keating / Affiliaton: Los Alamos National Laboratory / Assigned No: 091	Novel Polymeric-Metallic Composite Membranes for CO ₂ Separations at Elevated Temperatures / Presenter: Kathryn A. Berchtold / Affiliaton: Los Alamos National Laboratory / Assigned No: 176	Biofuel-Based GHG Mitigation and Energy Security Enhancement: An Analysis of Agricultural Contributions / Presenter: Bruce McCarl / Affiliaton: Department of Agricultural Economics, Texas A&M University / Assigned No: 215
2:55	The French Project PICOREF of CO ₂ Geological Storage in Saline Aquifers / Presenter: Hubert Fabriol / Affiliaton: BRGM / Assigned No: 195	Ocean Sequestration Moderator: Heino Beckert Near and Far Field Considerations Regarding Viability of Ocean Carbon Sequestration / Presenter: Peter Israelsson / Affiliaton: MIT Dept of Civil and Environmental Engineering / Assigned No: 008	Re-framing the Sequestration Opportunity: An Evaluation of CO ₂ Storage Capacity as an Upper Bound on Capture Deployments in the United States Over the Next 50-100 Years / Presenter: Vello Kuuskraa / Affiliaton: Advanced Resources International / Assigned No: 165	Energy Analysis of CO ₂ Separation Process with Hollow Fiber Membrane Using ASPEN Simulation Method / Presenter: Hyung-Taek Kim / Affiliaton: Dept. of Energy Studies, Ajou University / Assigned No: 194	Greenhouse Gas Mitigation Potential in U.S. Forestry and Agriculture: National and Regional Scale Results / Presenter: Brian Murray / Affiliaton: U.S. Environmental Protection Agency / Assigned No: 214
3:15	Field Tests of Geologic Sequestration in Midwestern Regional Carbon Sequestration Partnership – Validating Sequestration Heterogeneity in a Diverse Geologic Setting / Presenter: Neeraj Gupta / Affiliaton: Battelle / Assigned No: 174	Scaleup of CO ₂ Hydrate Particle Formation for Ocean Carbon Sequestration / Presenter: Philip Szymcek / Affiliaton: Oak Ridge National Laboratory / Assigned No: 027	Optimal Design of a Fossil Fuel-Based Hydrogen Infrastructure with Carbon Capture and Sequestration / Presenter: Joan Ogden / Affiliaton: Institute of Transportation Studies, University of California / Assigned No: 209		Modeling Global Cropland Net Greenhouse Gas Dynamics and Marginal Mitigation Costs / Presenter: Steven Rose / Affiliaton: Office of Atmospheric Programs, U.S. Environmental Protection Agency / Assigned No: 216
3:35	COFFEE BREAK				

Presentation Schedule

Wednesday	5-A	5-B	5-C	5-D	5-E
Subtopic	Geologic - Risk Assessment	Geologic Storage - Storage Mechanisms	Geologic Storage - Coal Seams	Capture Technologies (2)	Terrestrial Sequestration (3)
Moderator	Anhar Karimjee	Charles Byrer	James Blenco	Tom Mikus	Christopher Mahoney
Room	Plaza A	Plaza B	Walnut	Beech	Plaza C
4:05	Geologic CO2 Sequestration in Abandoned Oil and Gas Fields and Human Health Risk Assessment / Presenter: Andrew Duguid / Affiliaton: Department of Civil and Environmental Engineering, Princeton University / Assigned No: 013	Capillary Pressure Hysteresis Induced CO2 Trapping Mechanism / Presenter: Bilgin Altundas / Affiliaton: Schlumberger-Doll Research / Assigned No: 127	Interpretation of Coal Seam Swelling-Shrinkage Model / Presenter: Duane H. Smith / Affiliaton: National Energy Technology Laboratory, U. S. Department of Energy / Assigned No: 047	CO2 Capture Utilizing Solid Sorbents / Presenter: Ranjani Siriwardane / Affiliaton: National Energy Technology Lab, U.S. Department of Energy / Assigned No: 003	Carbon Dioxide Emission Offset Costs: Economic Consequences of Terrestrial Carbon Sequestration in a Seven-State Region of the U.S. / Presenter: Mark Sperow / Affiliaton: West Virginia University / Assigned No: 121
4:25	Experimental Determination of the Effects of Supercritical CO2 on Saline Aquifer Host Rocks and Well Plugging Cements / Presenter: Bill O'Connor / Affiliaton: National Energy Technology Laboratory, U. S. Department of Energy / Assigned No: 056	Update on the Frio Brine Strage Project-Progress on Estimating Permanence / Presenter: Susan D. Hovorka / Affiliaton: Gulf Coast Carbon Center. Bureau of Economic Geology, Jackson School of Geosciences, The University of Texas at Austin / Assigned No: 141	Using Discrete Fracture Network Models to Assess Risks Associated with Carbon Sequestration in Coal of the Black Warrior Basin / Presenter: Jack C. Pashin / Affiliaton: Geological Survey of Alabama / Assigned No: 049	CO2 Capture Systems Utilizing Amine Enhanced Solid Sorbents / Presenter: Thomas J. Tarka / Affiliaton: National Energy Technology Laboratory, U. S. Department of Energy / Assigned No: 152	Emerging Markets for Soil Carbon Sequestration Credits / Presenter: Susan Wood / Affiliaton: AgCert / Assigned No: 217
4:45	Performance and Safety Screening for the Ohio River Valley CO2 Storage Site Using Features, Elements, and Processes Database / Presenter: Joel Sminchak / Affiliaton: Battelle Memorial Research Institute / Assigned No: 138	CO2 Saturations and Transport Mechanism in Frio Santstone Core / Presenter: Reid B. Grigg / Affiliaton: New Mexico Petroleum Recovery Research Center, New Mexico Institute of Mining and Technology / Assigned No: 157	Underground Coal Gasification with Carbon Capture and Storage: A Pathway to a Low-Cost, Low-Carbon Gas for Power Generation and Chemical Syntheses / Presenter: Michael S. Blinderman / Affiliaton: ErgoExergy Technologies Inc. / Assigned No: 071	Production of Concentrated Carbon Dioxide from Flue Gas Using Dry Regenerable Carbonate Sorbents in a Thermal-Swing Process / Presenter: Thomas O. Nelson / Affiliaton: RTI, Center for Energy Technology / Assigned No: 009	Institutional Development for Terrestrial Carbon Sequestration: Canada's OFFSET System / Presenter: Paul J. Thomassin / Affiliaton: Department of Agricultural Economics, Macdonald Campus, McGill University / Assigned No: 222
5:05	Leakage Pathways from Potential CO2 Storage Sites in the Texas Gulf Coast and Implications for Permitting / Presenter: Jean-Philippe Nicot / Affiliaton: Gulf Coast Carbon Center, The Bureau of Economic Geology, Jackson School of Geosciences, The University of Texas at Austin / Assigned No: 171	Carbon Dioxide Solubility and Mineral Trapping Estimates / Presenter: John Kaszuba or Hari Viswanathan, / Affiliaton: Los Alamos National Laboratory / Assigned No: 167	How Real and Significant is Sorption-Induced Matrix Swelling/Shrinkage in Coalbed Methane and CO2 Injection Operations / Presenter: Satya Harpalani / Affiliaton: College of Engineering, Southern Illinois University / Assigned No: 102	Evaluation of a Novel Integrated Process for CO2 Capture from Post-Combustion Flue Gases / Presenter: Shiaoquo Chen / Affiliaton: Dept of Civil & Environmental Engineering, University of Illinois at Urbana Champaign / Assigned No: 134	"Workshop on Weyburn Project Guidebook...What Do You Want to Know from the Weyburn Experience? / Carolyn Preston
5:25	CO2 Sequestration, Fault Stability and Seal at Teapot Dome, Wyoming / Presenter: Laura Chiamonte / Affiliaton: Stanford University / Assigned No: 184	Dawsonite Reactivity in Geologic Carbon Sequestration / Presenter: John P. Kaszuba / Affiliaton: Los Alamos National Laboratory / Assigned No: 164	Influence of Stress on the Ability of Coal to Sequester CO2 / Presenter: Jonathan P. Mathews / Affiliaton: Department of Energy & Geo-Environmental Engineering and The Energy Institute, The Pennsylvania State University / Assigned No: 131	Metal-Organic Frameworks with Exceptionally High Capacity for Storage of Carbon Dioxide at Room Temperature / Presenter: Omar M. Yaghi / Affiliaton: Department of Chemistry and Biochemistry, University of California Los Angeles / Assigned No: 193	
5:45	Numerical Modeling of Role of Faults in Understanding Long-Term CO2 Storage: The Upscaling Dilemma / Presenter: Ian J. Duncan / Affiliaton: Bureau of Economic Geology, Jackson School of Geosciences, The University of Texas at Austin / Assigned No: 200	Strategies for Optimizing Pore Volume Utilization for CO2 Storage Projects / Presenter: Sally Benson / Affiliaton: Lawrence Berkeley National Laboratory / Assigned No: 173	Modeling of Long Term Carbon Sequestration in Different Coal Seams / Presenter: Andrei Smirnov / Affiliaton: West Virginia University / Assigned No: 168		
6:05	Lessons Learned During Numerical Simulations of a CO2 Sequestration Field Demonstration Project / Presenter: Rajesh Pawar / Affiliaton: Los Alamos National Laboratory / Assigned No: 205	Development of an In Situ "Window" into Below-Ground Geological Sequestration Reaction Processes / Presenter: Andrew Chizmeshya / Affiliaton: Center for Solid State Science, Arizona State University / Assigned No: 203			

GROUP 1 – POSTER SESSIONS

Tuesday	1	2	3	4	5
Topic	Advanced Capture	CO2 Conversion	Geologic - Deployment Activities	Geologic Storage - Coal Seams	Geologic Storage - Regional Assessments
	Carbon Ion Pump for Removal of Carbon Dioxide from Combustion Gas and Other Gas Mixtures / Presenter: Roger D. Aines / Affiliation: Lawrence Livermore National Laboratory, #040	The Study of Reaction Characteristics of Carbon Dioxide with Mineral Materials / Presenter: Li-Hua Xu / Affiliation: Department of Energy Studies, Ajou University, Poster 009	Aneth Oil Field, Southeastern Utah: Demonstration Site for Geologic Sequestration of Carbon Dioxide / Presenter: Thomas C. Chidsey, Jr. / Affiliation: Utah Geological Survey, #046	Conceptual Problems in Data Analysis for Sorption Capacity of Coals / Presenter: Vyacheslav Romanov / Affiliation: National Energy Technology Laboratory, U. S. Department of Energy, #004	CO2 Sequestration in Gas Shales of Kentucky / Presenter: Brandon C. Nuttall / Affiliation: Kentucky Geological Survey, University of Kentucky, #106
	Overview of the CO2 Capture Project (CCP) Phase 2 Storage Monitoring and Verification Program / Presenter: Dan Kieke / Affiliation: Chevron, #061	Carbonation of Finnish Magnesium Silicates for CO2 Sequestration / Presenter: Sebastian Teir / Affiliation: Laboratory of Energy Engineering and Environmental Protection, Helsinki University of Technology, #042	SECARB Phase II: Carbon Sequestration Field Verification Tests in Coal Seams / Presenter: Mr. Nino Ripepi / Affiliation: Virginia Center for Coal and Energy Research, #096	Permanent CO2 Sequestration Supported by Water Injection in Coalbeds / Presenter: M. Tovar / Affiliation: West Virginia University, #005	The Copper Ridge Dolomite: A Sequestration Backup for the Mount Simon Sandstone? / Presenter: James A. Drahovzal / Affiliation: Kentucky Geological Survey, University of Kentucky, #187
			Design of a CO2 Injection System for CO2 Sequestration and Enhanced Oil and Gas Recovery Testing / Presenter: Ray McKaskle / Affiliation: Trimeric Corporation, #177	Viability of Seismic Imaging for Site Selection and Monitoring of CO2 in thin Coal Seams / Presenter: Iraj A. Salehi / Affiliation: Gas Technology Institute, #018	Potential for Permanent CO2 Sequestration in Sub-Bottom Oceanic Basalt / Presenter: Dave Goldberg / Affiliation: Lamont-Doherty Earth Observatory, Poster 004
			The Plains CO2 Reduction (PCOR) Partnership Phase II / Presenter: Edward N. Steadman / Affiliation: University of North Dakota Energy & Environmental Research Center, #130 - RETRACTED	CO2 Sequestration in Appalachian Coal Seams Using Pinnate Well Patterns / Presenter: Jalal Jalali / Affiliation: West Virginia University, #037	
			The Rosetta-Calpine CO2 Storage Project — A WESTCARB Geologic Pilot Test / Presenter: Robert Trautz / Affiliation: Lawrence Berkeley National Laboratory, #188	Visualizing Adsorption of Small Molecules in a Molecular Representation of Bituminous Coal: An investigation of CO2 Sequestration / Presenter: Jonathan P. Mathews / Affiliation: Department of Energy & Geo-Environmental Engineering and The Energy Institute, The Pennsylvania State University, #109	
	6	7	8	Kinetics of Pure and Mixed CO2-CH4 Gas Adsorption on Crushed Coal from the Black Warrior Basin, West-Central Alabama / Presenter: James G. Blencoe / Affiliation: Oak Ridge National Laboratory, #116	9
Topic	Geologic Storage - Risk Assessment	Programs	Terrestrial Sequestration		Well Integrity
	Investigations into the Migration and Possible Leakage of CO2 from Deep Sedimentary Formations / Presenter: S. E. Gasda / Affiliation: Department of Civil and Environmental Engineering, Princeton University, #132	Capture and Storage of CO2 – A Compendium of Canadian Organizations and Activities / Presenter: Dubravka Bulut / Affiliation: Office of Energy Research and Development, Natural Resources Canada, #050	A Low Cost Airborne VHF Radar Method for the Remote Sensing of Terrestrial Biomass and Carbon / Presenter: Patrick W. Johnson / Affiliation: Terresense Corp., #015	8 (continued)	Reaction Tests of Wellbore Isolating Cements with CO2 / Presenter: Michael Supp / Affiliation: Schlumberger-Doll Research, #129
		The CO2 Capture Project (CCP): The Capture Program for Phase II / Presenter: Karl Gerdes / Affiliation: Chevron Energy Tech Co., #062	Analysis of Factors Controlling Soil Organic Matter Levels and Carbon Transformations in Reforested Surface Mines in the Eastern Kentucky Coal Fields / Presenter: Christopher Barton / Affiliation: Department of Forestry, University of Kentucky, #036 - RETRACTED	Terrestrial Sequestration (continued)	A Novel Method to Couple Well Bore Flow to Reservoir Flow to Understand the Impact of a Well Bore Failure during CO2 Sequestration Operation / Presenter: Rajesh Pawar / Affiliation: Los Alamos National Laboratory, #207
			Neutron Generator Output Monitoring for Normalization of Gamma Ray Spectra / Presenter: Sudeep Mitra / Affiliation: Brookhaven National Laboratory, #101	New Analytical Modalities for Soil Carbon Analysis: Overview of the Inelastic Neutron Scattering System / Presenter: Lucian Wielopolski / Affiliation: Brookhaven National Laboratory / Assigned No. 066	The Role of the Upper Geosphere in Mitigating CO2 Surface Releases in Wellbore Leakage Scenarios / Presenter: Dennis M. LeNeveu / Affiliation: Alberta Geological Services, #208
			Accurate Soil CO2 Flux Measurement at High Spatial and Temporal Resolution / Presenter: Liukang Xu / Affiliation: LI-COR Biosciences, #146 - RETRACTED		

GROUP 2 – POSTER SESSIONS

Wednesday	1	2	3	4	5
Topic	Capture Technologies	Geologic - Monitoring, Mitigation, and Verification	Geologic - Risk Assessment	Geologic Storage - Modeling	Geologic Storage - Regional Assessments
	Ionic Liquids as Novel Absorbents for Acid Gas Removal / Presenter: Jessica L. Anderson / Affiliation: Department of Chemical and Biomolecular Engineering, University of Notre Dame, Poster 003	Applications of Petroleum Exploration and Environmental Geochemistry to Carbon Sequestration / Presenter: Robert J. Pirkle, Victor T. Jones / Affiliation: Microseeps Inc., Exploration Technologies, Inc., #034	Exposure Characterization for Risk and Vulnerability Assessment of Geologic Carbon Sequestration / Presenter: Dimitrios Vlassopoulos / Affiliation: S. S. Papadopoulos & Associates Inc, #145 - RETRACTED	Modeling CO2 Plume Evolution in a 3D Reservoir Using Parallel Computing / Presenter: Chuan Lu / Affiliation: Los Alamos National Laboratory, #064	Case Studies for Regional Characterization using a Geographic Information System / Presenter: Weifeng Li / Affiliation: Massachusetts Institute of Technology, #083
	CO2 Control in IGCC Systems: Hydrogen Production from Coal with Integrated CO2 Separation / Presenter: Michiel Carbo / Affiliation: Energy Research Centre of the Netherlands, #090	A Strategy for Assessing Deep Faulting and Possible Structural Reactivation in Target Sequestration Reservoirs / Presenter: John H. McBride / Affiliation: Midwest Geological Carbon Sequestration Consortium, Department of Geological Sciences, Brigham Young University, #133	Large CO2 Releases from Storage Reservoirs: Scenarios and Modeling Needs / Presenter: Jens Birkholzer / Affiliation: Lawrence Berkeley National Laboratory, #211	Comparison of Two CO2 EOS Algorithms: Minor Contrasts in State Properties May Translate to Significant Contrasts in Predicted Migration Histories / Presenter: Weon Shik Han / Affiliation: Department of Earth and Environmental Science, New Mexico Institute of Mining and Technology, #110	Estimates of the Carbon Dioxide Sequestration Capacity for Lower Paleozoic Aquifer Systems in the Midcontinent Region of North America / Presenter: Steven A. Smith / Affiliation: Energy & Environmental Research Center, University of North Dakota, #117
	Critical Review of Separation Technologies for CO2 Capture from Post-Combustion Flue Gases / Presenter: Shiaoguo Chen / Affiliation: Dept of Civil & Environmental Engineering, University of Illinois at Urbana Champaign, #135	Subsurface Imaging of CO2 Plumes Using Multiple Data Types and Bayesian Inference / Presenter: Julio Friedmann / Affiliation: Lawrence Livermore National Laboratory, #172	Mineralogical and Textural Variations in Shale and Its Seal Integrity in a CO2 Flooded Environment / Presenter: Giday WoldeGabriel / Affiliation: Los Alamos National Laboratory, #190	CO2-PENS: A CO2 Sequestration Systems Model for Geologic Sequestration / Presenter: Hari S. Viswanathan / Affiliation: Los Alamos National Laboratory, Poster 008	
	Case Studies of CO2 Capture Retrofitting in Existing Coal-Fired Power Plants / Presenter: Yongqi Lu / Affiliation: Dept of Civil & Environmental Engineering, University of Illinois at Urbana Champaign, #137	Feasibility Study of Seismic Detection of Small Accumulations of Carbon Dioxide in the Subsurface / Presenter: Erika Gasperikova / Affiliation: Earth Sciences Division, Lawrence Berkeley National Laboratory, #179		Using Geostatistical Methods to Model Mature Oil and Gas Reservoirs and a Deep Sandstone Reservoir for CO2 Injection and Flow Modeling / Presenter: Sarah C. Rittenhouse / Affiliation: Illinois State Geological Survey, #093	
	A New Approach to Intensify the Column Internals for CO2 Capture and Separation / Presenter: Weiyang Fei / Affiliation: Dept. of Chem. Eng., Tsinghua Univ. Beijing, Poster 013	Pore-Network Model Applied to Wormhole Formation in Limestone Resulting from Injection of Carbon Dioxide / Presenter: Ioannis N. Tsimpanogiannis, Ph.D., / Affiliation: Los Alamos National Laboratory, #189			
	Recent Advances in Carbon Dioxide Capture and Separation Techniques for Power Generation Point Sources / Presenter: David Luebke / Affiliation: NETL-DOE, Poster 014	Microbially Enhanced Geologic Sequestration of Supercritical CO2 / Presenter: A. B. Cunningham / Affiliation: Center for Biofilm Engineering, Montana State University, Poster 001	7	8	9
	6	Monitoring Geological CO2 Sequestration using Perfluorocarbon Gas Tracers and Isotopes / Presenter: S. D. McCallum / Affiliation: Oak Ridge National Laboratory, Poster 011	Policy	Public Acceptance	Terrestrial Sequestration
Topic	Geologic Storage - Storage Mechanisms		The Carbon Offset Opportunity Program – A Tool for Collaborative Project Development / Presenter: Jesse E. Gandee / Affiliation: Augusta Systems, Poster 007	The Use of Data Mining Methods to Evaluate Public Interest in Carbon Sequestration / Presenter: K. H. Leetaru. / Affiliation: National Center for Supercomputing Applications, University of Illinois, #075	Assessment of Baseline Soil Carbon Sequestration Using an Econometrically Estimated Model of Conservation Tillage / Presenter: Lyubov A. Kurkalova / Affiliation: Department of Agribusiness Economics, Southern Illinois University, #159
	Stability of K- and Na-Dawsonite / Presenter: R.G. Duan / Affiliation: Los Alamos National Laboratory, #022	Phase Insensitive Frequency Modulation LIDAR for Long Distance CO2 Monitoring / Presenter: Sheng Wu / Affiliation: PEER Center, California Institute of Technology, Poster 012		Geologic Sequestration: An Opportunity for Educational Outreach / Presenter: Sallie E. Greenberg / Affiliation: Illinois State Geological Survey, Midwest Geologic Sequestration Consortium, Poster 002	Carbon Sequestration on Reforested Minelands in Appalachia / Presenter: Christopher D. Barton / Affiliation: Department of Forestry, University of Kentucky, Poster 005 - RETRACTED
	Synchrotron Microtomography in CO2 Geosequestration Research / Presenter: Liviu Tomutsa / Affiliation: Lawrence Berkeley National Laboratory, #166				Measuring Total Soil Carbon and Other Nutrients Using Laser-Induced Breakdown Spectroscopy (LIBS) / Presenter: Ronny D. Harris / Affiliation: Los Alamos National Laboratory, Poster 006
					Functional Description of a Carbon Concentration in a Field / Presenter: Yue Zhang / Affiliation: Brookhaven National Laboratory, Poster 010