

ALABAMA GEOLOGICAL SOCIETY CORE WORKSHOP ANNOUNCEMENT

POTTSVILLE CORE WORKSHOP

Coal remains a cornerstone of Alabama's economy, and the utility of this strategic energy resource continues to evolve. In Alabama, coal of the Pennsylvanian-age Pottsville Formation has been mined since the 19th Century for steam power, electrical generation, and metallurgy. The Black Warrior Basin of Alabama contains some of the best metallurgical coal in the world, but combustible methane made mining of this resource hazardous. Pioneering research in the Black Warrior Basin turned this hazard into a major energy resource, and coalbed methane production now accounts for about 10 percent of the Nation's dry natural gas production. Today, coal is being considered as a sink for greenhouse gas, and injection of carbon dioxide into coal has potential to increase Alabama's coalbed methane reserves substantially.

To address the changing role of coal in Alabama's economy, the Alabama Geological Society is pleased to announce a core workshop, which will be held at the Geological Survey of Alabama. The workshop will provide participants an opportunity to view cores of coal-bearing strata and to gain new insight into the evolving role of coal in Alabama's economy. The morning will feature viewing and discussion of wireline cores, which reveal a wealth of geologic information. The afternoon will highlight a series of presentations on the coal research program at the Geological Survey of Alabama and the University of Alabama. Topics to be covered range from sedimentary geology and structural geology to carbon storage and mine mapping.

When: Monday, March 31, 2008; LIMIT IS 35 PARTICIPANTS

Where: Geological Survey of Alabama, 420 Hackberry Lane, Tuscaloosa, AL 35486; (205) 349-2852

Certificates: Certificates of participation documenting 7 hours of continuing education for licensing as a professional geologist will be issued to each participant at the end of the workshop.

Cost: \$35.00 for Alabama Geological Society members; \$50.00 for nonmembers.

For additional information: contact Richard Carroll (rcarroll@gsa.state.al.us; 205-349-2852).

Workshop Registration Form

(Please type or print requested information and give complete mailing address for our records)

Name		
(Last)	(First)	(Middle)
Preferred Name on Badge		
Affiliation		
Mailing Address		
City	State	Zip Code
Telephone	Fax	E-mail

Be sure to enclose check payable to the Alabama Geological Society
P.O. Box 866184, Tuscaloosa, AL 35486-0055

AGENDA

Alabama Geological Society Pottsville Core Workshop

Hosted at the Geological Survey of Alabama
March 31, 2008

8:00 to 8:30	Continental Breakfast
8:30 to 9:00	Tour of the Geological Survey of Alabama Core Facility
9:00 to 10:15	View and Discuss Cores—Stratigraphy, Sedimentology, Paleontology
10:15 to 10:30	Break
10:30 to Noon	View and Discuss Cores—Faulting, Fracturing, Mineralization
Noon to 1:00	Lunch (provided)
1:00 to 1:30	Overview of Pottsville Stratigraphy and Sedimentation <i>Jack C. Pashin, Geological Survey of Alabama</i>
1:30 to 2:00	Pottsville Structural Geology <i>Marcella R. McIntyre, Geological Survey of Alabama</i> <i>Richard H. Groshong, Jr., 3D Structure Research</i> <i>Jack C. Pashin, Geological Survey of Alabama</i>
2:00 to 2:30	The SECARB Black Warrior Field Test: Potential for Carbon Sequestration and Enhanced Coalbed Methane Recovery <i>Jack C. Pashin, Geological Survey of Alabama</i> <i>Peter E. Clark, University of Alabama</i> <i>Richard A. Esposito, Southern Company</i>
2:30 to 3:00	Break
3:00 to 3:30	Computer Modeling of Pottsville Fracture Networks Guohai Jin, Geological Survey of Alabama
3:30 to 4:00	Modeling the Risk of Leakage through Discrete Fractures in Response to Carbon Sequestration <i>Chunmiao Zheng, University of Alabama</i>
4:00 to 4:30	Mapping Underground Coal Mines <i>Richard E. Carroll, Geological Survey of Alabama</i>