

## ► LOCATION & PARKING

The workshop will be held at the National Research Center for Coal & Energy on the Evansdale Campus of West Virginia University in Morgantown, WV.

From I-79, take the Star City Exit (Exit 155) toward Morgantown. Follow Rt. 19 through two traffic lights, across the bridge and up the hill to the 4th traffic light (WVU Coliseum). Turn right into the Coliseum parking lot for free parking and a free shuttle bus to the Engineering campus, or continue to the next traffic light and turn left for the paid parking lot at the four-way stop sign just past the NRCCE.

## ► LODGING

Participants who choose to stay in Morgantown during the two-day workshop will need to make their own reservations at one of several local hotels, including the Quality Inn (304-599-1680), EconoLodge (304-599-8181, or Hampton (304-599-1200). If you experience any difficulty in obtaining room accommodations, please contact us for additional options.

## ► REGISTRATION AND FEES

Please note that advanced registration is necessary to adequately plan the catered lunch, and will begin now and end February 5. **Registration may be limited.** The cost is \$100.00 for the workshop. Please complete the enclosed registration form and return it with a total of \$100.00 (U.S.) to the address listed. Please make checks payable to: **“West Virginia University.”** The registration fee covers the entire cost of the workshop, continental breakfast, morning and afternoon coffee breaks and lunch.

## ► PROFESSIONAL DEVELOPMENT HOURS (PDH)

Are you an Engineer or other professional out there who needs verification of these hours? Well, PTTC has banded together nationwide to assist in this process. Upon completion of a workshop, participants will be given a certificate of completion for the course and the appropriate number of hours for PDH credit. Each certificate will have the schedule on the reverse side for easy authentication.

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NRCCE/West Virginia University  
PTTC Appalachian Region  
P.O. Box 6064; Evansdale Drive  
Morgantown, WV 26506-6064  
Phone: (304) 293-2867x5446  
ADDRESS CORRECTION REQUESTED



# Value-Added CCS: CO<sub>2</sub> EOR and CO<sub>2</sub> ECBM

*February 12, 2008  
Morgantown, WV*

## Hosts

**PTTC Appalachian Region  
West Virginia University**

## Sponsors

**Abarta Oil & Gas Co., Inc  
Ansbros Petroleum  
Natural Energy Development  
Corporation  
NGO Development Corporation**



► **WORKSHOP SCOPE**

**Course Outline:**

Introduction to Enhanced Oil Recovery and Commercial CO<sub>2</sub> Injection  
The Existing CO<sub>2</sub> EOR Projects and Data Base: a Geological Overview  
A Review of Enhanced Coal Bed Methane (ECBM)  
The Convergence of Commercial CO<sub>2</sub> Injection and Carbon Capture and Storage.  
Current Operational Practices  
Residual Oil Zones: Expanding the Scope of Floodable Intervals  
Getting Started: Cyclic CO<sub>2</sub> Gas Injection: Theory, Target Areas, Application, and Regional Examples

**Objectives:**

This short course is designed to provide a practical look at how and where commercial CO<sub>2</sub> injection projects are implemented and operated. The emphasis is on EOR since most experience lies there but a look at the relatively immature area of CO<sub>2</sub> ECBM is included to scope this technology. The PTTC course will provide a practical look at the both the technologies and practices of today’s commercial CO<sub>2</sub> injection industry.

► **Instructor**

L. Stephen Melzer is a geological engineer and owner of Melzer Consulting, a firm in Midland, Texas working directly in the field of CO<sub>2</sub> enhanced oil recovery and carbon capture and storage. He directs the annual CO<sub>2</sub> Conference in Midland, the heart of the Permian Basin and the CO<sub>2</sub> EOR industry. Though this position he has held for 14 years, he is exposed to the latest in operational and reservoir practices. He is a frequent short course presenter with courses conducted in numerous locations throughout North America.

► **WHO SHOULD ATTEND**

The workshop is designed for geologists, engineers and business professionals who are considering CO<sub>2</sub> injection projects. Service companies, students, professors and government agencies also will find the program to be of interest and value.

► **ACCOMMODATION REQUESTS**

Persons needing a disability-related accommodation to participate in this workshop should contact Doug Patchen by February 5<sup>th</sup> at (304) 293-867x5443, or [doug.patchen@mail.wvu.edu](mailto:doug.patchen@mail.wvu.edu).

► **SCHEDULE:**

Sign-in and course material distribution will begin at 7:30 a.m. on Tuesday, February 12, 2008. The workshop will begin at 8:00 a.m. and will continue until 5:00 p.m. There will be a break for lunch at noon, and morning and afternoon coffee breaks.

► **VISIT US ON THE WEB**

<http://karl.nrcce.wvu.edu>

<http://www.pttc.org>

► **ADDITIONAL INFORMATION**

For additional information, contact  
Douglas G. Patchen  
304-293-2867, x5443  
[Doug.Patchen@mail.wvu.edu](mailto:Doug.Patchen@mail.wvu.edu)

Or, for course content information  
Stephen Melzer  
[melzerls@aol.com](mailto:melzerls@aol.com)

**Registration Form**

Name: \_\_\_\_\_

Company: \_\_\_\_\_

Address: \_\_\_\_\_

City: \_\_\_\_\_

State: \_\_\_\_\_ Zip Code: \_\_\_\_\_

Phone: \_\_\_\_\_

Fax: \_\_\_\_\_

Email: \_\_\_\_\_

The registration fee for the workshop is \$100, which covers the entire workshop, continental breakfast, a.m. & p.m. breaks and lunch. Please make checks payable to **West Virginia University** and return them with this registration form by February 5 to:

**Doug Patchen**  
**NRCCE/WVU**  
**P.O. Box 6064; Evansdale Drive**  
**Morgantown, WV 26506-6064**

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**REFUND POLICY**

**Registrants who cancel prior to February 5th will receive a full refund. No refunds will be issued after February 5th.**