



Society of Petroleum Engineers

AIChE®

25-26 February 2008
The Fairmont Sonoma
Mission Inn and Spa
Sonoma, California, USA

**Technical
Program Committee**

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James Langer

Shell Global Solutions

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Medhat Kamal

Chevron Energy

Technology Company

Susann Nordrum

Chevron Energy

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Judith Oppenheim

Solutia

Pushpinder Puri

Air Products and

Chemicals

**Society of Petroleum Engineers/
American Inst. of Chemical Engineers Joint Workshop**

**>> Register by 25 January 2008
to take advantage
of the Early Registration
Discount.**

Complete the attached form
or register online
at www.spe.org/atws.

Practical Strategies for Managing CO₂ Emissions— Today Not Tomorrow

This SPE/AIChE joint workshop draws on upstream and downstream experts to address the boundary-spanning issues that surround greenhouse gas reduction. This workshop will examine current best practices with an eye toward future applications, both domestically and internationally. Attendees will also explore how to implement the strategies for upstream and downstream energy efficiency, CO₂ capture, and sequestration. Scientists, engineers, and managers from both industry and academia will share ideas and solutions for executing practical strategies and lessons learned in the arenas of technology, policy, and regulation.

Through brief, informal case studies followed by extended discussion, this workshop will create an atmosphere in which attendees may raise questions and arrive at solutions for the realistic application of CO₂ reduction strategies.

**Coffee Break
Sponsor**



Deadline for Early Registration Discount is 25 January 2008.

Practical Strategies for Managing CO₂ Emissions—Today Not Tomorrow

Sponsorship Support

Sponsorship support helps offset the cost of producing workshops and allows SPE to keep the attendance price within reach of operations-level individuals, those who benefit most from these technical workshops.

Sponsors benefit both directly and indirectly by having their names associated with a specific workshop.

While SPE prohibits any type of commercialism within the conference hall itself, the society recognizes that sponsoring companies offer valuable information to attendees outside the technical sessions.

Sponsorship Categories

Sponsorships are offered on a first come basis. Please contact SPE to verify the availability of a particular sponsorship. Existing sponsors have the opportunity to renew the same level of sponsorship for annual workshops.

Breakfast	Coffee Break
Lunch	Reception
Dinner	Materials

Sponsorship Benefits

In addition to onsite recognition, SPE will recognize sponsors on the SPE website and in all printed material for the workshop. Based on the sponsorship selected, sponsoring companies also receive logo visibility on promotional workshop items; a half-page, full-color ad in the workshop technical program; and up to two delegate passes to the workshop.

For More Information

For a detailed list of available sponsorships, including benefits and pricing, contact Susan Wooten, Workshops at swooten@spe.org.

Preliminary Program

NOTE: While every attempt will be made to adhere to the schedule, the agenda is subject to change. For detailed agenda updates, please visit www.spe.org and click on Meetings/Events.

Sunday, 24 February 2008

6:00–7:30 p.m. Welcome Reception and Registration

Monday, 25 February 2008

7:00–8:00 a.m. Registration and Continental Breakfast

8:00–8:10 a.m. Welcome by the Chairman – What is a Workshop?

8:10–8:30 a.m. Opening Keynote Address

8:30–10:00 a.m. **SESSION I: STRATEGIES FOR INCREASING ENERGY EFFICIENCY: UPSTREAM**

Session Chairs: James Langer, Shell Global Solutions
Susann Nordrum, Chevron Energy Technology

- Flaring Reduction/Elimination
- Turbines
- Heaters

10:00–10:30 a.m. Coffee Break

Sponsored By:



10:30 a.m.–12:00 p.m. **SESSION II: STRATEGIES FOR INCREASING ENERGY EFFICIENCY: DOWNSTREAM**

Session Chairs: Susann Nordrum, Chevron Energy Technology
Irv Wiehe, Soluble Solutions

- Turbines
- Heat Exchangers and Fired Heaters

12:00–1:00 p.m. Lunch

1:00–3:00 p.m.

SESSION III: CO₂ CAPTURE

Session Chairs: Kevin Fogash and Pushpinder Puri,
Air Products and Chemicals

- Location of Large Sources
- Post-Combustion Capture
- Pre-Combustion Decarbonization
- Oxyfuels
- Novel Techniques

3:00–3:30 p.m.

Coffee Break

Sponsored By:



3:30–4:30 p.m.

Panel Session: What We've Heard Today/
Going Forward Tomorrow

5:30–7:30 p.m.

Reception

Tuesday, 26 February 2008**7:00–8:00 a.m. Registration and Continental Breakfast****8:00–10:00 a.m. SESSION IV: SEQUESTRATION**
Session Chair: Scott Imbus, Chevron Energy Technology

- Overview of the Challenges
- Location of Potential Subsurface Sinks
- Existing Oil Fields
- Geological Structures for Sequestration Only
- Risk Management
- Global Regulations and Policy Issues

10:00–10:30 a.m. Coffee Break**10:30 a.m.–12:00 p.m. SESSION V: CURRENT & FUTURE TRENDS IN RESEARCH: SURFACE**

Session Chair: Judith Oppenheim, Solutia

This session will feature operating companies with field projects demonstrating technology in the areas of increased efficiency and carbon capture.

12:00–1:00 p.m. Lunch**1:00–2:30 p.m. SESSION VI: CURRENT & FUTURE TRENDS IN RESEARCH: SUBSURFACE**Session Chairs: Richard Esposito, Southern Company
Chris Haas, ARCADIS

This session will feature operating companies with field projects demonstrating technology in the areas of geologic storage - Monitoring, Mitigation and Validation Program (MMV), capacity and injectivity estimations, and co-sequestration.

2:30–3:00 p.m. Coffee Break**3:00–4:00 p.m. SESSION VII: BREAKOUT SESSIONS**

Session Chair: Medhat Kamal, Chevron Energy Technology

- Action Plans Based on What You've Heard?
- What Still Needs to be Solved?

4:00–5:00 p.m. SESSION VIII: BREAKOUT REPORT AND PANELSession Chairs: Medhat Kamal, Chevron Energy Technology
James Langer, Shell Global Solutions**Roundtable: "How do the pieces fit together? Are there any missing pieces?"****DOCUMENTATION**

Proceedings from the workshop will not be published; therefore, formal papers and handouts are not requested of speakers or panel members. Note-taking by individual attendees is encouraged, but should be limited to ensure participation in the open discussion. A URL containing released copies of the workshop presentations will be made available to attendees several weeks after the workshop. This documentation will not be prepared in the form of formal SPE papers.

COMMERCIALISM

In keeping consistent with workshop objectives and SPE guidelines, excessive commercialism in presentations will not be permitted. Company logo must be limited to the

title slide and used only to indicate the affiliation of the presenter and others involved in the work.

CONTINUING EDUCATION UNITS

The Society of Petroleum Engineers (SPE), through SPE Professional Development, will award Continuing Education Units (CEU) for participation and completion of SPE short courses, distance learning programs, workshops, and sanctioned learning activities. One CEU equals 10 contact hours of participation in SPE continuing education activities. A permanent record of a participant's involvement and awarding of CEU will be maintained by SPE. SPE will provide a copy of the participant's record upon request at www.spe.org.

Attendees will receive 1.6 Continuing Education Credits.

