

Technical Program Committee

James Langer, Shell Global Solutions - Chairperson

Richard Esposito, Southern Company

Dennis Griffith, Granherne, a KBR Company

Scott Imbus, Chevron Energy Technology Company

Medhat Kamal, Chevron Energy Technology Company

George Koperna, Advanced Resources International, Inc.

Madhav Kulkarni, Marathon Oil Company

Susann Nordrum, Chevron Energy Technology Company

Pushpinder Puri, Air Products and Chemicals, Inc.

Corinne Valkenburg, Pacific Northwest National Laboratory

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Shell Exploration and Production

Founders' Society Technologies for Carbon Management Project

Funded by the United Engineering Foundation

Fairmont Sonoma Mission Inn and Spa
Sonoma, California
February 22-24

Workshop for Practical Strategies for Managing CO₂ Emissions Program Guide

Where Are We Going?

AIChE®



Program Overview Technical sessions take place in Sonoma Valley Room		
Sunday, February 22		Speaker(s)
3:00pm	Registration opens at Kenwood Foyer	Madhav Kulkarni, Reservoir Engineer, Marathon Oil Jim Langer, Senior Staff Process Engineer, Shell Global Solutions
4:00-6:00pm	Tutorial on Subsurface Concepts and Recap of Last Workshop	
6:00-7:30pm	Welcome Reception at Kenwood I	
Monday, February 23		Speaker(s)
7:00-8:00am	Registration in Kenwood Foyer and Continental Breakfast in Sonoma Valley Room	Frank Princiotta, Director, U.S. Environmental Protection Agency
8:00-8:10am	Chairman's Introduction, Jim Langer, Shell Global Solutions	
8:10-8:45am	Opening Keynote Address, Climate Change: The Technology Challenge	
8:45-10:15am	Session I: Energy Efficiency & CO₂ Management Strategies Session Chairs: Susann Nordrum, Chevron Energy Technology Corrinne Valkenburg, Pacific Northwest National Laboratory	John Holladay, Energy Sector Manager, Pacific Northwest National Laboratory Bill Golove, CES Senior Project Development Manager, Chevron Energy Solutions Jim Langer, Senior Staff Process Engineer, Shell Global Solutions
10:15-10:45am	Biofuels Advanced Energy Technologies (Solar, Wind, Geothermal) Shell CO ₂ Benchmarking Methodology Coffee Break	
10:45am-12:15pm	Session II: CO₂ Capture Session Chairs: Pushpinder Puri, Air Products and Chemicals Dennis Griffith, Granherne, a KBR Company	
12:15-1:15pm	Comparative Analysis of CO ₂ Capture Technologies Retrofitting Considerations for CO ₂ Capture in Process and Power Plants Post Combustion Capture Lunch on SVR Patio	Babatunde Oyenekan, Research Engineer – Gas Technology, Chevron Dennis Griffith, Project Manager, Process Engineering, Granherne, a KBR Company Paul-Emmanuel Just, Research Chemist, Cansolv Technologies
1:15-3:15pm	Session III: CO₂ Storage Session Chairs: George Koperna, Advanced International Resources Scott Imbus, Chevron Energy Technology	
3:15-3:45pm	Key Issues Affecting Underground Storage of CO ₂ Technical Basis for CO ₂ Storage WESTCARB Kimberlina Assessment Coffee Break	
3:45-5:00pm	Panel Discussion, Session Chair: Jim Langer, Shell Global Solutions	Sally Benson, Global Climate and Energy Project Director, Stanford University Scott Imbus, Staff Scientist, Chevron Energy Technology Larry Myer, Scientist/Energy Resources Program Leader, Geophysics Department, Lawrence Berkeley Laboratory
6:00-8:00pm	Reception with wine tasting at Sonoma Golf Club (<i>Transportation provided</i>)	
Tuesday, February 24		Speaker(s)
7:00-8:00am	Registration in Kenwood Foyer and Continental Breakfast in Sonoma Valley Room	Annabelle Malins, Consul, Science and Innovation, British Consulate-General
8:00-8:35am	First Keynote Address, U.K. Experiences of Managing CO ₂ Emissions – Challenges, Achievements and Lessons Learnt	
8:35-9:10am	Second Keynote Address, U.S. Climate Policy Options	Steve Eule, Vice President, Climate and Technology of the U.S. Chamber of Commerce's Institute for 21 st Century Energy
9:10-10:40am	Session IV: CO₂ Economics & Public Policy Session Chairs: Madhav Kulkarni, Marathon Oil, Susann Nordrum, Chevron Energy Technology, and Michelle Foss, Bureau of Economic Geology at the University of Texas at Austin	
10:40-11:00am	Public Policy in China CO ₂ Economics Carbon Offset Credits Coffee Break	David Fridley, Deputy Group Leader of Lawrence Berkeley's China Energy Group Ian Duncan, Associate Director, Bureau of Economic Geology at the University of Texas at Austin Representative from BlueSource (Invited)
11:00am-12:30pm	Session V: Future Trends Session Chair: Jim Langer, Shell Global Solutions Future Trends in CO ₂ Management Risks Associated with Sequestration Energy Efficiency Programs	
12:30-1:30pm	Lunch on SVR Patio	Mark Holtz, Director, International Business Development, EOR, Praxair, Inc. Ian Duncan, Associate Director, Bureau of Economic Geology at the Univ. of Texas at Austin Representative from Pacific Gas & Electric Co.
1:30-2:45pm	Breakout Groups, Session Chair: Susann Nordrum, Chevron Energy Technology	
2:45-3:15pm	Coffee Break	
3:15-4:00pm	Breakout Report and Panel Discussion, Session Chair: Jim Langer, Shell Global Solutions	