

The Future of Coal in a Carbon Constrained World

Student Posters

Carbon Dioxide Sequestration

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Chemical Looping Combustion (CLC)

Adel Sarofim, Kevin Whitty, Dana Overacker, Ted Eyring, Gabor Konya

Deposition of Particulate from Coal-Derived Syngas on Turbine Blades with Film Cooling

Weiguo Ai, Nathan Murray, Spencer Harding, Thomas Fletcher, Scott Lewis, Jeffrey Bons

Gasification Research at the University of Utah

Randy Pummill and Kevin Whitty

Investigation of Nitrogen Release during Pyrolysis in an Oxycombustion Process

John Sowa, Kolbein Kolste, Thomas Fletcher

Modeling Mercury Adsorption and Oxidation on Activated Carbon in Packed bed and Entrained Flow Systems

Paula A. Buitrago, Michael R. Morrill, Geoffrey D. Silcox, JoAnn S. Lighty, Jost Wendt

A Pressurized Flat-Flame Burner for Gasification and Combustion Studies

Randy Shurtz, David Johnson, and Thomas Fletcher

Particle Levitation for Fuels Characterization

Alex Romriell, Skigh Lewis, Phil Alboroto, and Larry Baxter

Particle Tracking Method in One Dimensional Turbulence Model

Wu Yuxin, Philip J. Smith, Jeremy Thornock

Southwest Regional Partnership – Phase II Demonstrations

Weon Shik Han, Si-Yong Yee, Chuan Lu, Ada VanZanten

Southwest Regional Partnership – Phase III @ Price Utah

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Sorption Mechanisms for Mercury Capture in Worm-Gasification Gas Clean-Up Systems

Sung Jun Lee, Jost O. L. Wendt, Paul Blowers, Bo Gyeong Kim

Simulating the Impact of Faults on CO₂ Sequestration in Sandstone Aquifers

Sangeetha M. Pasala, Craig B. Foster, Milind D. Deo, Siang J. Lim

Sulfate, K, Na, and Ca Effects on Vanadia Catalyst Activity

Jacob Beutler, Xiaoyu Guo, Chase Anderson, Holly Clayton, Calvin Bartholomew, William Hecker, Larry Baxter