SECOND ANNUAL CONFERENCE ON CARBON SEQUESTRATION

DEVELOPING & VALIDATING THE TECHNOLOGY BASE TO REDUCE CARBON INTENSITY

1-A

CAPTURE AND SEPARATION – MEMBRANES AND SORBENTS

Chair: **Gary T. Rochelle, University of Texas Austin**

1:00 - 1:20	*Hydrogen Membrane Selection for a Water Gas Shift Reactor* -*Cliff Lowe (Chevron/Texaco)
1:20 - 1:40	*Analysis of Hydrogen and Co-Product Electricity Production from Coal with Near-zero Pollutant and CO2 Emissions using an Inorganic Hydrogen Separation Membrane Reactor* -*Thomas G. Kreutz (Princeton), Paolo Chiesa, Robert H. Williams
1:40 - 2:00	*CO_2 Separations Using High-Temperature Polymeric-Metallic Composite Membranes* - *Jennifer S. Young (LANL), Brent F. Espinoza, Kathryn A. Berchtold, Gregory S. Long, Gordon D. Jarvinen, Betty S. Jorgensen, Alan R. Greenberg, Vivek Khare, Christopher J. Orme, Alan K. Wertsching, John R. Klaehn, Eric S. Peterson, Jim Acquaviva, Frank Onorato ***Paper Unavailable***
2:00 - 2:20	*New Solid Amine Sorbents* -*McMahan L. Gray (NETL), Y. Soong, K. J. Champagne, H. Pennline, J. Baltrus, R. W. Stevens, Jr., R. Khatri S. S. C. Chuang, S. Khan,T. Filburn
2:20 - 2:40	*CO_2 Separation from Flue Gas: Evaluation of a Solid Sorbent Based Process* -*Piergiorgio Zappelli (EniTecnologie, Italy), E. Gambarotta, V. Meda, A. Tortorella
2:40 - 3:00	*A Novel CO_2 Absorbent using Lithium-containing Oxides* -*Kazuaki Nakagawa (Toshiba, Japan), Sawako Yoshikawa, Kenji Essaki, Hideo Uemoto

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