SECOND ANNUAL CONFERENCE ON CARBON SEQUESTRATION

DEVELOPING & VALIDATING THE TECHNOLOGY BASE TO REDUCE CARBON INTENSITY

3-A
CAPTURE AND SEPARATION – ADVANCED CONCEPTS

Chair: **Raghubir Gupta, RTI**

10:30 - 10:50 *Ammonia Carbonation and Biomass Pyrolysis for Carbon Management* - *James W. Lee (ORNL), Danny Day, Robert J. Evans, Rongfu Li

10:50 - 11:10 *CO_2 Capture in SOFC-GT Systems* -*Daniel Jansen (Energy Research Center, Netherlands), Jan Wilco Dijkstra

11:10 - 11:30 *Experimental Study to Capture CO_2 in the Flue Gas from a Coal-fired Research Facility by Spraying Aqueous Ammonia to Produce a Modified NH4HCO3 Fertilizer* *Scott Smouse (NETL), Li Zhen-zhong, Zhang Yun, Li Cheng-zhi, Dong Jiang-xun, Wang Yang, James M. Ekmann

11:30 - 11:50 *An Experimental Investigation into the Use of Molten Carbonate Fuel Cells to Capture CO_2 from Gas Turbine Exhaust Gases* -*Michael B. Wilkinson (BP Exploration, UK), A. Amorelli, P. Bedont, P. Capobianco, B. Marcenaro, F. Parodi, A. Torazza

11:50 - 12:10 *Developments in the SIMTECHE Process—Separation of CO_2 From Coal Syngas by Formation of Hydrates* -*Gordon Deppe (Nexant, Inc.), S. S. Tam, R. P. Currier, J. S. Young, G. K. Anderson, L. A. Le, D. F. Spencer

12:10 - 12:30 *Chemical Extraction of Carbon Dioxide from Air to Sustain Fossil Energy by Avoiding Climate Change* -*Manvendra K. Dubey (LANL), H. J. Ziock, G. H. Rueff, J. J. Colman, K. S. Lackner

Sponsors… ***In coordination with…***

NETL MONITOR EXCHANGE PUBLICATIONS & FORUMS USDA US Climate Change Science Program www.climatescience.gov