

Hydrogen Separations and Purification Working Group (PURIWG) Kick-Off & Hydrogen Production Technical Team Research Review

Agenda for Wednesday, November 7, 2007

*Location: BCS Incorporated, 8929 Stephens Road, Laurel, MD. 20723
410-997-7778*

8:00 - 8:30 Continental Breakfast

- 8:30 Targets, Tools, and Technology
- *Hydrogen Separation and Purification Working Group Kick-Off*
DOE, HFCIT Arlene Anderson
 - *DOE/FE/NETL's Research Program for the Conversion of Coal to Hydrogen and Liquid Fuels*, **DOE, Fossil Energy** Dan Driscoll
 - *H2A Overview*, **NREL**, Darlene Steward
 - *Membrane Reactor Cost Analysis*, **DTI**, Brian James

10:00 Research Review

- *Integrated Hydrogen Production, Purification & Compression System*,
Linde, Satish Tamhankar
- *Ion Transport Membranes*, **ORNL**, Andrew Payzant
- *Proton Conducting with Getter Coated Membranes*, **SNL**, Margaret Welk
- *Bulk Amorphous Membranes*, **SRNL**, Paul Korinko

12:00 - 12:30 Lunch

12:30 Research Review Continued

- *Carbon Molecular Sieve Membrane as Reactor for Water Gas Shift Reaction*,
Media & Process Tech., Paul Liu
- *High-Performance, Durable, Palladium-Alloy Membrane for Hydrogen Separation & Purification*, **Pall Corporation**, Scott Hopkins and Rick Kleiner
- *Coal to Hydrogen Membranes*, **LANL**, Stephen Paglieri
- *Walk-On – Ultra-Thin Supported Inorganic Membranes*, **University of Cincinnati**, Henk Verweij
- *Walk-On – Hydrogen from Gasified Coal, Phase I SBIR*, **H2 Pump, LLC**, Brian Benicewicz

2:30 *DOE Hydrogen Quality Working Group Update and Recent Progress*
ANL, Romesh Kumar

2:45 *Common Metrics and Measures of Success - Facilitated Group Discussion*,
DOE, Mark Paster