

**Hydrogen Storage Challenges for Mobility Symposium: Overcoming the Barriers**

Center for Hydrogen Research; Aiken, South Carolina, USA

December 6 – 7, 2006

**Preliminary Agenda**

**Symposium Organizers:** Robert F. Bennett, South Carolina Department of Commerce; Peter F. Finamore, John Deere Advanced Energy Systems; Fred E. Humes, Economic Development Partnership; Wen Li, Toyota Motor Engineering & Manufacturing North America; Jack Simon, Theodore Motyka, Harold F. Sturm, Jr., Savannah River National Laboratory

**Date: December 6, 2006**

**3:00 Registration w/tabletops in Lobby**

**4:00 Tour – Center for Hydrogen Research**

**5:00 – 6:30 Reception**

**Date: December 7, 2006**

| TIME  | DESCRIPTION  |
|-------|--|
| 7:00  | Registration   |
| 8:00  | Welcome/Introductions  |
| 8:15  | <i>The Department of Energy's National Hydrogen Storage Project: Recent Progress and Future Plans</i> , Sunita Satyapal, George Thomas, Carole Read, Grace Ordaz, John Petrovic, U. S. Dept. of Energy |
| 8:45  | <i>Hydrogen Storage: The Challenge with Science and Engineering</i> , Kazuo Kawahara, Toyota Motor Engineering & Manufacturing North America, Inc. and Katsuhiko Hirose, Toyota Motor Corp.            |
| 9:15  | <i>The Challenge of Hydrogen Storage for FC Vehicles</i> , Udo Winter, Adam Opel GmbH  |
| 9:45  | <i>Practical Approaches to On-Board Hydrogen Storage</i> , Tarek Abdel-Baset, DaimlerChrysler  |
| 10:15 | Break  |
| 10:45 | <i>Performance and User Analysis of Off Road Hydrogen Fuel Cell Powered Utility Vehicles</i> , Peter Finamore, John Deere Advanced Energy Systems  |
| 11:15 | <i>The Challenge of Hydrogen Storage: An Energy Company Perspective</i> , David M. Austgen, Jr., Shell Hydrogen LLC  |
| 11:45 | Luncheon – Keynote Speaker: U.S. Rep. Bob Inglis (invited)   |
| 1:15  | <i>Hydrogen Effects on Materials: Impact of Materials Systems Integrity, Codes and Standards Development, and Hydrogen Distribution Technologies</i> , Thad Adams, Savannah River National Laboratory  |
| 1:45  | <i>Liquid Hydrogen Storage – Roadmap to Mass Market</i> , Tobias A. Brunner, BMW Group   |
| 2:15  | <i>High Pressure Storage Applications</i> , Neel Sirosh, Quantum Technologies Inc.   |
| 2:45  | Break  |
| 3:15  | <i>Hydrogen Storage: From Carbon Nanotubes to H<sub>2</sub>-Reversible Liquid Carriers</i> , Guido P. Pez, Air Products  |
| 3:45  | <i>Reversible Metal &amp; Complex Hydrides</i> , Ted Motyka, Savannah River National Laboratory  |
| 4:15  | Symposium adjourns   |