

Please take a moment to take a look at the exciting things going on with the knowledge economy around South Carolina!

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Innovation Profile: Hydrogen Hybrid Mobility, LLC



With the help of a 2006 Greater Columbia Fuel Cell Challenge Grant, Professors John Weidner

and Charles Holland were able to turn \$50,000 into initial concepts and ultimately develop prototypes of hybrid fuel cell segway units.

The company was charged with the goal of implementing a project to modify existing Segway Personal Transporters to accommodate a fuel cell power source. The company has successfully prototyped two Segways with one going to the University of South Carolina and one going to the City of Columbia.

The prospects for this project moving forward are strong and grant recipients are hopeful to expand the commercial applications with additional deployments. "We love this project because it has all the elements we are looking for; knowledge-based research at USC, commercialization of a core technology and deployment within the community" said Neil McLean, Executive Director of EngenuitySC, "This is the innovation pipeline."

SC Citizens' School Programs Launch Kicks Off Another

Science Café October 9, 2007 at 6pm



Date: October 9, 2007

Time: 6 pm

Venue: Za's Pizza

Address: 2930 Devine Street

RSVP: Tory Sojourner at TSojourner@EngenuitySC.com

Topic: Join world renowned industry expert Dr. Ken Reifsnider to learn more about Solid Oxide Fuel Cells.

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Successful Year

The USC-based Citizens' School program started another year of public education with the launch of the Citizens' School on Nanotechnology and the Citizens' School on fuel Cell & Hydrogen Technology. The program was a recipient of a Greater Columbia Fuel Cell Challenge award, and both programs were received so well that they were sold out within a week of their announcement.

The USC NanoCenter and the Benedict College launched the second round of the SC Citizens' School of Nanotechnology. The course will run for seven consecutive Wednesday evenings and is a consumer friendly outreach program from people who are curious about nanotechnology and want a more general introduction.

The University of South Carolina has also launched the SC Citizens' School for Hydrogen & Fuel Cell Technology. During the program which runs through late October, USC faculty and other experts introduce fuel cell and hydrogen technology to nonexperts. The program features a series of background readings, presentations and two-way discussions.

For more information call Chris Toumey at (803) 777- 2221 or by e-mail at Toumey@sc.edu.

Fuel Cell Challenge Phase II Coming Soon!



In early October, the USC Columbia Fuel cell Collaborative will announce the launch of the second phase of the Greater Columbia Fuel Cell

Challenge. Ten projects were awarded during the first phase including activities such as educational outreach (EdVenture Children's Museum Alternative Energy Exhibit), near term market technology deployments (LiftOne/Hydrogenics Forklift project), community technology deployments (SCETV cameras and Fort Jackson and Columbia Dept. of Homeland Security portable power projects), and fuel cell commercialization projects (Hydrogen Hybrid Mobility).

Phase II of the Challenge will focus on expanding the number and depth of industry partnerships created in Phase I, and on deploying additional near-market ready fuel cell technologies. A request for proposals will be issued to engage top respondents from across the industry. Join us and become a partner in advancing Columbia's vision for a hydrogen and fuel cell economy. When announced, details for the RFP can



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be found by visiting the [Fuel Cell Challenge Web site](#).

BMW Talks Hydrogen at the NHA Military Forum

Columbia will play host to the National Hydrogen Association Forum on "Hydrogen Uses in the Military" from October 2-4.

The Columbia Chamber of Commerce will sponsor a community breakfast on October 4 from 7:30-8:30 a.m. and will feature a presentation by BMW on their highly anticipated launch into the hydrogen economy.

The breakfast will bring together members of the military forum with local leader and Columbia citizens. The cost of the breakfast is \$0 for non-event attendees. Please contact Courtney Herring at cherring@columbiachamber.com for details or to register.

World Renowned Solid Oxide Fuel Cell Expert to Address Science Cafe

Dr. Ken Reifsnider, renowned industry expert on solid oxide fuel cells will address Science Cafe on October 6. As Director of the Solid Oxide Fuel Cell Program at the University of South Carolina, Dr. Reifsnider will help guide the program in forming partnerships with various organizations in the State, and across the country.



The SOFC group will have a substantial partnership with Savannah River National Laboratories, and has existing relationships with ExxonMobil, United Technologies Research Center, Air Force Office of Scientific Research, and the Office of Naval Research.

Join us at Science Cafe and learn why Solid Oxide Fuel Cells represent one of the best near term opportunities for portable and mobile devices and how the SOFC group at USC will be at the forefront.

Email: news@engenuitysc.com