

# Clean Energy News



At the

**USF** UNIVERSITY OF SOUTH FLORIDA

NUMBER 6

SUMMER 2010

## KEY CERC RESEARCH

Photovoltaic Thin Film

Photocatalytic Detoxification and Disinfection

Solar Thermal Power

Hydrogen Production and Storage

Combined Power/ Cooling Thermodynamic Cycle

Rectenna Solar Energy Conversion

Biomass and Biofuels

Carbon Capture and Sequestration

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## Earth Day Tampa Bay

CERC's solar and renewable energy display at the April Earth Day Tampa Bay's festival was featured along with more than 70

ety of natural and organic products and services for the home and garden, mind, body and soul were exhibited.

sponsored by the City of Tampa.

Created in 1970, Earth Day is a global day of observance of the need to protect the earth. Responding to widespread environmental degradation, US Senator Gaylord Nelson called for an environmental teach-in or Earth Day, to be held on April 22, 1970. The history of Earth Day mirrors the growth of environmental awareness over the last three decades, and the legacy of Earth Day is the certain knowledge that the environment is a universal concern.



eco-friendly exhibitors offering products, information and demonstrations on ways to help create a healthy and sustainable lifestyle. A wide vari-

Displays on energy and water conservation included the Clean Energy Research Center, arts and crafts and exhibits by community organizations and clubs, including city and county departments, on everything from native plant gardening to biking and hiking trails.

The 2010 Earth Day marked the 40<sup>th</sup> year the annual event has been fielded. The local event was organized by the Tampa Bay Sierra Club and co-



## Clean Energy Rocks!

Ever feel like clean energy is boring? Well, put on your seatbelts, because clean energy rocks! The USF CERC showcased practical solar energy applications at the 2010 Earth Day Tampa Bay, held at Lowry Park April 25.

CERC fielded an exciting game show with the audience designing their own

energy efficient house. Those who showed a savings of money through green engineering won the game. But this was just one part of the CERC's cool exhibits which featured solar powered computers and a demonstration of practical energy saving compact fluorescent lamps.

Helping CERC out, were two USF student groups: Students for Marketing and Advancement of RE Technologies (SMART), and the X-Labs. SMART organized the 2009 Tampa Bay Solar Tour as part of the National Solar Tour of the American Solar Energy Society. The X-Labs promotes awareness of engineering and the sciences.

See Pictures, page 2.