

## 2010 FESC Summit to be held September 28-29 at the UCF Student Union

Planning has begun for the second annual FESC Summit, which will be held at the University of Central Florida's Student Union on September 28-29, 2010. The format is expected to follow that of last year's successful first summit, with pre-summit workshops, oral and poster sessions from FESC-funded or associated projects, and nationally known speakers.

More than 160 people attended the first FESC Summit, held September 29-30, 2009 at the University of South Florida's Marshall Student Center. Participants represented a broad cross-



section of energy interests, ranging from government and industry to research, development, and education. The Summit will be organized yearly to bring together energy experts in the State University System of Florida to share their energy-related research findings and to promote future collaboration.

A keynote address by Sam Baldwin, Chief Technology Officer and Member of the Board of Directors for the Office of Energy Efficiency and Renewable Energy with the US Department of Energy, opened the Summit. His talk, entitled "Energy Efficiency and Renewable Energy: Challenges and Opportunities," was extremely valuable and is available on the [FESC website](#).

The Summit's first day also featured presentations by James Murley, Chairman of the Florida Energy and Climate Commission, and Mark Futrell of the Florida Public Service Commission, which addressed Florida's energy needs and opportunities. Later, FESC Director Tim Anderson led a roundtable discussion that provided input toward how Florida universities can best promote research collaboration among themselves and with industry, and thereby assist the state's economic development.

A poster overview presentation followed, where poster presenters were given two minutes and two slides to describe their posters. This novel approach was very well received, and allowed the audience to target posters of specific interest as the day culminated in a poster session and reception.

The Summit's second day was more technical, with oral presentation sessions organized around the following topics:

- \* Energy Efficiency & Conservation, Education & Outreach, Policy
- \* Biomass Resources, Carbon Capture
- \* Ocean Energy Resources, Solar Resources

- \* Energy Storage and Delivery, Smart Grid
- \* Future Directions

Day two also featured Technical Team Roundtable discussions built around these specific FESC research interests: Energy Efficiency and Conservation, Carbon Capture and Sequestration, Ocean Energy, Energy Storage, Smart Grid, Solar PV, Solar Thermal, Algae, Biomass, and Policy and Systems. Summit participants chose a topic and joined a table with those who shared their expertise or interest to promote future collaboration on grant proposals. Several graduate students served as scribes, and summaries of each discussion have been documented.

The Summit culminated with presentations on specific energy challenges and opportunities, given by Camille Coley, Executive Assistant Vice President of Florida Atlantic University and Director of the Center for Ocean Energy, Mark Jamison, Director of the University of Florida's Public Utilities Research Center, and Jim Fenton, Director of the University of Central Florida's Florida Solar Energy Center.

In addition to the Summit itself, two important Pre-Summit activities took place. The CAPS and PCUE Florida Smart Grid Workshop attracted about 100 representatives of Florida electric utilities, including members of the Florida Reliability Coordinating Council (FRCC), power industry suppliers and technology developers, research and development organizations and other stakeholders. They focused efforts on defining, coordinating and planning for the smart grid in Florida, including perspectives on evolving the smart grid, smart grid infrastructure, including communications, updates on activities at the federal level, and workforce and education needs. Keynote talks and panel sessions identified opportunities and developed strategies and plans for smart grid activities relevant to Florida's unique needs and energy infrastructure.

Additionally, the Florida Energy and Climate Commission held their monthly meeting at the Marshall Student Center on the morning of Tuesday, September 29. FESC Director Tim Anderson was included in the agenda to welcome the Commissioners to the Summit.

The FESC website will be continually updated as plans progress for the 2010 Summit.