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## THIRD ANNUAL FESC SUMMIT

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More than 200 people attended the third annual FESC Summit, held September 27-28, 2011 at the University of Florida's Reitz Union. The Summit is 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. The program featured internationally renowned speakers, as well as presentations and posters highlighting FESC's innovative work leading to alternative energy strategies, improved energy efficiencies and expanded economic development for Florida. The complete program can be accessed at the FESC Website: [http://www.floridaenergy.ufl.edu/?page\\_id=6622](http://www.floridaenergy.ufl.edu/?page_id=6622).

The Summit opened with welcoming remarks from Win Phillips, University of Florida's Senior Vice President and Chief Operating Officer, and Commissioner Adam H. Putnam, Florida Department of Agriculture and Consumer

Services. The keynote address, entitled "Linking Science, Innovation, and Policy to Transform the World's Energy Systems: The MIT Initiative," was presented by Robert C. Armstrong, Department of Chemical Engineering and MIT Energy Initiative at the Massachusetts Institute of Technology.

Each day included a plenary session. The first day featured Roy Periana, Director, Scripps Energy Laboratories, George Philippidis, Director, Alternative Energy Research Center and Associate Professor of Biofuel Engineering, University of South Florida Polytechnic, Commissioner Eduardo Balbis, Florida Public Service Commission, and Chris Fountas, General Partner, Milcom Venture Partners. The second day featured Pramod Khargonekar, Professor and Eckis Chair, University of Florida Department of Electrical and Computer Engineering, Winston Schoenfeld, Director of PVMC-FL and Associate Professor of FSEC & CREOL, University of Central Florida, and Chris Ferekides, Professor, Electrical Engineering, University of South Florida.

There were four technical sessions, each divided into three categories, over the two-day summit. Topic categories included:

- Algal Biofuels
- Energy Efficiency, Storage and Delivery
- Energy Policy (2)
- Biomass (2)
- Energy Systems
- Ocean, Carbon Capture, and Nuclear Energy
- Energy Storage and Delivery
- Solar Energy
- Energy Efficiency

A Round Table discussion conducted on the first day was designed to garner ideas around the questions: *If the SUS was to develop a major proposal, what would be the technical problem statement/vision and title? What would be the benefit to the State?* The following strategic area groups were available for participants to choose from: Bio-Energy; Carbon Capture; Energy Efficiency and Conservation & Geothermal; Energy Storage; Grid Technologies & Electricity Distribution; Secure Energy Systems; Solar PV; Solar Thermal; and Policy, Nuclear, Ocean Energy & Offshore Wind.

The first day of the Summit ended with a poster session highlighting 57 posters (18 students, 39 faculty), followed by a reception sponsored by Florida Power and Light. There was also a student poster contest resulting in 1<sup>st</sup>, 2<sup>nd</sup> and 3<sup>rd</sup> place winners as well as two honorable mention awards. This year's Summit

included two tours of the FCRC Biofuels Pilot Plant for interested attendees, as well as a few displays/units throughout the two days.

In addition to the Summit itself, two Pre-Summit Workshops were held on September 26. The first, *The Florida Clean Energy Workshop* was organized by DOE/EERE and focused on innovation in R&D and manufacturing in Florida's Clean Energy industry. This one day workshop drew 163 participants. The Community College Energy Workshop was organized by the Florida Advanced Technological Education Center (FLATE). Forty three people participated in this workshop.

Both the FESC Advisory Board and FESC Oversight Board held their meetings during the Summit.

Most participants, who completed the FESC Summit evaluation, rated the agenda items as Very Useful or Extremely Useful. Logistical elements of the conference were primarily rated as Very Adequate or Extremely Adequate.

Plans are underway for combining the FESC and Florida Energy Summits in 2012.

### Photos from the Summit



Commissioner Putnam, Keynote Speaker at Pre-summit Workshop  
Welcome Speech at FESC Summit



Dr. Bob Armstrong, MIT, Key note speaker at FESC Summit



Biomass Group – Round Table Discussions



Policy Group – Round Table Discussion



Solar PV – Round Table Discussion



Solar PV – Round Table Discussion



Biomass Group – Round Table Discussion



Carbon Capture Group – Round Table Discussion



Storage Group – Round Table Discussion



Energy Efficiency Group – Round Table Discussion



FESC Summit Panel Session



Dr. Tim Anderson, Director of FESC  
FLATE presentation



FESC Pre-summit workshops (FLATE)



US DoE Pre-summit Workshop



Panel Session at US DOE Pre-summit Workshop



US DoE Pre-summit Workshop