

## **FESC announces Technology Commercialization Phase 1 Awards**

In Phase 1 of its Technology Commercialization Program, FESC has awarded more than \$100,000 to five FESC universities to fund market studies and business plans for 15 energy-related technologies with commercial potential. These funds will provide support for market studies, business plans, and the introduction of energy-related technologies to potential licensees, with the ultimate goal of attracting research and development funding to State University System institutions, and identifying licensees for commercialization of high-potential energy technologies.

FESC's two-phase technology commercialization program is designed to promote industrial collaboration and technology transfer in the energy sector. Candidate technologies include bio-energy, solar energy, energy efficiency and conservation, nuclear energy, ocean energy, carbon capture and sequestration, storage and delivery, and energy management.

Phase 1 provides a platform for FESC to work with technology transfer directors across the State University System to identify technologies with commercial potential for two purposes: 1) development of a statewide database of energy-related technologies that FESC can co-promote with universities to industries in Florida and beyond; and 2) funding the development of business plans, market analyses, and industry/investor presentations of a subset of these technologies. Technologies in this subset of 15 awardees will be coordinated into commercialization packages to attract potential industry partners who might provide development funding and license the technologies.

Modeled on the Florida High Tech Corridor Council Matching Grants Research Program, Phase 2 will provide FESC matching funds for technology development partnerships between industry and State University System institutions. FESC anticipates a highly competitive program, for which we will award 4 grants for matching funds of up to \$50,000 each.

FESC anticipates releasing the Phase 2 Request for Proposals in Spring 2010.

FESC Technology Commercialization Phase 1 Awards:

- "Novel Fabrication Method of Nanoscale Fibers and Tubes," Florida International University
- "Synthesis of Hydrides and the Vehicular Use of Hydrogen Producing Reactions," Florida International University
- "Indium Phosphide, Indium-Gallium-Arsenide and Indium-Gallium-Antimonide-Based High Efficiency Multijunction Photovoltaics for Solar Energy Harvesting," Florida State University
- "Multi-Piece Wind Energy Blades," Florida State University
- "Microgrid Controllers and Solar Wind Distributed System Controls," Florida State University
- "High Efficiency Air Conditioning Condenser Fan Blades," University of Central Florida
- "Milling Technology Leads the Way to Cost Effective Ethanol Production," University of Central Florida
- "Hybrid Photovoltaic and Thermoelectric Cell Elements Improve Solar Cell Efficiency," University of Central Florida
- "Wind and Solar Battery Chargers," University of Central Florida
- "Advanced Membrane Reactors for H<sub>2</sub> Production," University of Florida
- "ChromaDynamics," University of Florida
- "A Highly Efficient, Long-Lifetime, All-Weather Compatible Nanomaterials-Based Display Technology," University of Florida
- "High-Power, Fuel Flexible, Cost-Effective Solid Oxide Fuel Cell," University of Florida
- "Enhanced PbS (Lead Sulfide) Quantum Dots for Solar Cells," University of South Florida
- "A Practical Method of CO<sub>2</sub> Sequestration," University of South Florida