Home

FESC Research

Education

Outreach

User Facilities

Energy Industry

Advisory Board

Contact Us

• Home

• About Us

• Florida Energy Facts

• FESC Expertise

• FESC Funded Projects

• FL University Research

• Technology Commercialization

• Facilities and Resources

• Energy Education/ Energy Jobs

• Public Outreach: Fact Sheets, Videos, and Research Areas

• FESC Conferences

• Annual Reports, Publications and Presentations

• Frequently Asked Questions

• Links

• Contact Us

Sitemap

• FESC Conferences

o 2017 FESC/Polytech Conference

• 2017 FESC/Polytech Conference Photos

o State of the Union on Florida Energy – March 2016

o FESC/IBM Professional Development Course June 2015

o FESC May 2015 Workshop

• Presentations

• Poster Sessions

• Additional Posters

• Photos May 20

• Photos May 21

o February, 2015 FESC Workshop

o 2014 FESC Workshop

• Presentations

• Poster Session

• Additional Posters

o Summits

• 2013 Florida Energy Summit

• 2013 Poster Session

• 2013 Poster Session

• 2012 Florida Energy Summit

• 2012 Poster Session

• 2012 Energy Summit Photos

• 2011 Summit

• 2011 Posters

• 2011 Session Presentations

• 2011 Oral Presentations

• 2010 FESC Summit

• 2010 Session Presentations

• 2010 Poster Presentations

• 2009 FESC Summit

• 2009 Session Presentations

• 2009 Poster Presentations

o 2013 SEC Symposium

• Presentations

• SEC Attendees

• SEC Symposium Photos

o April 2013 UF Symposium

• April 2013 UF Symposium Presentations

• April 2013 UF Symposium Energy Panel Photos

• Contact Us

• Zero Energy Demo Homes / Solar Decathlon Houses

• FESC User Facilities (FL-CAN)

• FESC User Facilities (FL-CAN)

• Home

• About Us

o Faculty

• By Research Area

• By University

o Leadership Team

o University Leads

o Oversight Board

o Advisory Board

o Visit Us

• Florida Energy Facts

o Florida Energy Statistics

o My Florida Energy Projects

o Energy Efficiency and Conservation

o Biomass Energy

o Solar Energy

o Nuclear Energy

o Ocean Energy

o Energy Storage and Delivery

o Energy Policy

• Energy Bill H 7117

• Energy Bill H 7135

• Energy Bill S 888

• Energy Bill SB 2156

• Executive Orders

o US Energy Facts

o US Energy Facts

o World Energy Statistics

• Sitemap

• News Archive

• News Archive

• FESC Expertise

o Algal Biofuels

o Batteries and Energy Storage

o Biomass

o Biofuels

o Building Efficiency

o Solar to Fuel

o Smart Grid

o Photovoltaics (PV)

• FESC Funded Projects

o By University

o By Research Area

• Overarching

• Efficiency

• Biomass

• Solar

• Carbon Capture and Nuclear

• Ocean Energy

• Storage & Delivery

• Policy

• Other

• Education and Outreach Projects

• Phase 2 Technology Commercialization

• FL University Research

o 2016 Research Archive

• Biomass

• Carbon Capture

• Catalyst

• Climate

• Education

• Efficiency

• Grid and Security

• Marine

• Nuclear

• Other

• Solar

• Storage

• Transportation

• Waste to Energy

• Wind

o 2015 Research Archive

• Biomass

• Carbon Budget/Balance

• Catalyst

• Climate

• Education

• Energy Efficiency

• Hydrogen

• Marine

• Nuclear

• Other

• Sensors

• Grid and Security

• Solar

• Storage

• Transportation

• Waste to Energy

• Wind

o 2014 Research Archive

• Biomass

• Carbon Capture

• Catalyst

• Climate Change

• Education

• Energy Efficiency

• Fuel Cells

• Heat Pump

• LED/OLED

• Marine

• Materials

• Nuclear

• Other

• Sensors

• Smart Grid

• Solar

• Storage

• Transportation

• Waste to Energy

• Water

• Wind

o 2013 Research Archive

• Biomass

• Carbon Capture

• Catalyst

• Catalyst

• Climate

• Education

• Efficiency

• Fuel Cell

• Grid

• Hydrogen

• LED/OLED

• Marine

• Nuclear

• Other

• Policy

• Solar

• Storage

• Water

• Waste to Energy

• Wind

o 2012 Research Archive

• Biomass

• Catalyst

• Climate

• Education

• Efficiency

• Fuel Cell

• Grid

• Hydrogen

• LED/OLED

• Marine

• Nuclear

• Other

• Sensor

• Solar

• Storage

• Water/Wetland

• Waste to Energy

• Wind

o 2011 Research Archive

• Biomass

• Catalyst

• Carbon Capture

• Climate

• Education

• Efficiency

• Efficiency

• Fuel Cell

• Hydrogen

• Grid

• LED/OLED

• Marine

• Marine

• Nuclear

• Other

• Sensor

• Solar

• Storage

• Storage

• Water/Wetland

• Wind

• Technology Commercialization

o Florida Tech Transfer Offices

o IP by University

o FESC Technology Incubators

o Industry Support & Economic Development Organizations

o Industry Support & Economic Development Organizations

• Facilities and Resources

o Florida Atlantic University

o Florida International University

o Florida State University

o Florida State University

o Florida Solar Energy Center

o University of Central Florida

o University of Florida

o University of South Florida

o Florida Institute of Technology

• Energy Industry

o Energy Efficiency

o Energy Crops

o Algae

o Biomass & Biofuels

o Solar

o Waste To Energy

o Smart Grid & Power

o Energy Storage

o Network & Security

o Utilities, Electric & Power

o Marine

o Natural Gas

o Wind

o Gas Turbine, Oil & Petroleum

o Water Purification

o Consulates & Law

o Engineering Consulting

o Associations & Organizations

o Energy Financing & Funding

o FL University Spin-off

o Educational & Professional Energy Opportunities

o Other

• Energy Education/ Energy Jobs

o Energy Literacy

o Energy Certificate – UF EDGE Program

o Energy Education by Discipline

o Energy Education by Institution

o Free Online Courses

o Educational Programs and Workshops

o FESC Educational Projects

o Energy Jobs

o Nuclear Training Reactor at UF

o Energy Extension Service

o Demonstrations

• Public Outreach: Fact Sheets, Videos, and Research Areas

o Energy Fact Sheets

o Energy Video Clips

o FESC Research Areas, News and Expertise

• Annual Reports, Publications and Presentations

o 2014 Stakeholders Meeting

o Oversight Board Meeting

o FESC Newsletters

o FESC Presentations

o Other

• US DOE Roadmaps

o Other

• US DOE Roadmaps

• Funding Opportunities

o DARPA

o EPA

o Florida Clean Energy Grant

o National Science Foundation

o Student Opportunities

o US Department of Agriculture

o US Army

o US Department of the Air Force

o US Department of Defense

o US Department of Energy

o US Department of Labor

o US Department of the Navy

o Other

o Teachers and Students

• Frequently Asked Questions

• Links

o Centers & Consortia

o Centers & Consortia

o Industry & University Consortia

o Industry & University Consortia

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| [Home](http://floridaenergy.ufl.edu/) | [FESC Research](http://floridaenergy.ufl.edu/energy-research/) | [Education](http://floridaenergy.ufl.edu/energy-education/) | [Outreach](http://floridaenergy.ufl.edu/public-outreach/) | [User Facilities](http://floridaenergy.ufl.edu/facilities-and-resources/) | [Energy Industry](http://floridaenergy.ufl.edu/fl-energy-industry/) | [Advisory Board](http://floridaenergy.ufl.edu/advisory-board/) | [Contact Us](http://floridaenergy.ufl.edu/contact-us/) |

* [Home](http://floridaenergy.ufl.edu/)
* [About Us](http://floridaenergy.ufl.edu/about/)
* [Florida Energy Facts](http://floridaenergy.ufl.edu/florida-energy-facts/)
* [FESC Expertise](http://floridaenergy.ufl.edu/fesc-experise/)
* [FESC Funded Projects](http://floridaenergy.ufl.edu/energy-research/)
* [FL University Research](http://floridaenergy.ufl.edu/fl-university-research/)
* [Technology Commercialization](http://floridaenergy.ufl.edu/industry/)
* [Facilities and Resources](http://floridaenergy.ufl.edu/facilities-and-resources/)
* [Energy Education/ Energy Jobs](http://floridaenergy.ufl.edu/energy-education/)
* [Public Outreach: Fact Sheets, Videos, and Research Areas](http://floridaenergy.ufl.edu/public-outreach/)
* [FESC Conferences](http://floridaenergy.ufl.edu/fesc-conferences/)
* [Annual Reports, Publications and Presentations](http://floridaenergy.ufl.edu/publications/)
* [Frequently Asked Questions](http://floridaenergy.ufl.edu/frequently-asked-questions/)
* [Links](http://floridaenergy.ufl.edu/links/)
* [Contact Us](http://floridaenergy.ufl.edu/contact-us/)

**Sitemap**

* [FESC Conferences](http://floridaenergy.ufl.edu/fesc-conferences/)
  + [2017 FESC/Polytech Conference](http://floridaenergy.ufl.edu/fesc-conferences/2017-fescpolytech-conference/)
    - [2017 FESC/Polytech Conference Photos](http://floridaenergy.ufl.edu/fesc-conferences/2017-fescpolytech-conference/2017-fescpolytech-conference-photos/)
  + [State of the Union on Florida Energy – March 2016](http://floridaenergy.ufl.edu/fesc-conferences/state-of-the-union-on-florida-energy/)
  + [FESC/IBM Professional Development Course June 2015](http://floridaenergy.ufl.edu/fesc-conferences/fescibm-professional-development-course-june-2015/)
  + [FESC May 2015 Workshop](http://floridaenergy.ufl.edu/fesc-conferences/fesc-may-2015-workshop/)
    - [Presentations](http://floridaenergy.ufl.edu/fesc-conferences/fesc-may-2015-workshop/presentations/)
    - [Poster Sessions](http://floridaenergy.ufl.edu/fesc-conferences/fesc-may-2015-workshop/poster-sessions/)
      * [Additional Posters](http://floridaenergy.ufl.edu/fesc-conferences/fesc-may-2015-workshop/poster-sessions/additional-posters/)
    - [Photos May 20](http://floridaenergy.ufl.edu/fesc-conferences/fesc-may-2015-workshop/workshop-photos/)
    - [Photos May 21](http://floridaenergy.ufl.edu/fesc-conferences/fesc-may-2015-workshop/workshop-photos-may-21/)
  + [February, 2015 FESC Workshop](http://floridaenergy.ufl.edu/fesc-conferences/2015-fesc-workshop/)
  + [2014 FESC Workshop](http://floridaenergy.ufl.edu/fesc-conferences/florida-energy-systems-consortium-fesc-workshop/)
    - [Presentations](http://floridaenergy.ufl.edu/fesc-conferences/florida-energy-systems-consortium-fesc-workshop/2014-workshop-presentations/)
    - [Poster Session](http://floridaenergy.ufl.edu/fesc-conferences/florida-energy-systems-consortium-fesc-workshop/2014-poster-session/)
      * [Additional Posters](http://floridaenergy.ufl.edu/fesc-conferences/florida-energy-systems-consortium-fesc-workshop/2014-poster-session/additional-posters/)
  + [Summits](http://floridaenergy.ufl.edu/fesc-conferences/fesc-summit/)
    - [2013 Florida Energy Summit](http://floridaenergy.ufl.edu/fesc-conferences/fesc-summit/2013-florida-energy-summit/)
      * [2013 Poster Session](http://floridaenergy.ufl.edu/fesc-conferences/fesc-summit/2013-florida-energy-summit/2013-poster-session/)
      * [2013 Poster Session](http://floridaenergy.ufl.edu/fesc-conferences/fesc-summit/2013-florida-energy-summit/2013-poster-session-2/)
    - [2012 Florida Energy Summit](http://floridaenergy.ufl.edu/fesc-conferences/fesc-summit/2012-summit/)
      * [2012 Poster Session](http://floridaenergy.ufl.edu/fesc-conferences/fesc-summit/2012-summit/poster-session/)
      * [2012 Energy Summit Photos](http://floridaenergy.ufl.edu/fesc-conferences/fesc-summit/2012-summit/2012-pictures/)
    - [2011 Summit](http://floridaenergy.ufl.edu/fesc-conferences/fesc-summit/2011-summit-preliminary-schedule/)
      * [2011 Posters](http://floridaenergy.ufl.edu/fesc-conferences/fesc-summit/2011-summit-preliminary-schedule/2011-posters/)
      * [2011 Session Presentations](http://floridaenergy.ufl.edu/fesc-conferences/fesc-summit/2011-summit-preliminary-schedule/2011-session-presentations/)
      * [2011 Oral Presentations](http://floridaenergy.ufl.edu/fesc-conferences/fesc-summit/2011-summit-preliminary-schedule/2011-oral-and-poster-presentations/)
    - [2010 FESC Summit](http://floridaenergy.ufl.edu/fesc-conferences/fesc-summit/2010-summit/)
      * [2010 Session Presentations](http://floridaenergy.ufl.edu/fesc-conferences/fesc-summit/2010-summit/2010-session-presentations/)
      * [2010 Poster Presentations](http://floridaenergy.ufl.edu/fesc-conferences/fesc-summit/2010-summit/2010-poster-presentations/)
    - [2009 FESC Summit](http://floridaenergy.ufl.edu/fesc-conferences/fesc-summit/summit-agenda/)
      * [2009 Session Presentations](http://floridaenergy.ufl.edu/fesc-conferences/fesc-summit/summit-agenda/session-presentations/)
      * [2009 Poster Presentations](http://floridaenergy.ufl.edu/fesc-conferences/fesc-summit/summit-agenda/poster-presentations/)
  + [2013 SEC Symposium](http://floridaenergy.ufl.edu/fesc-conferences/2013-sec-symposium/)
    - [Presentations](http://floridaenergy.ufl.edu/fesc-conferences/2013-sec-symposium/presentations/" \t "_blank)
    - [SEC Attendees](http://floridaenergy.ufl.edu/fesc-conferences/2013-sec-symposium/faculty-and-graduate-attendees/)
    - [SEC Symposium Photos](http://floridaenergy.ufl.edu/fesc-conferences/2013-sec-symposium/2013-sec-symposium-photos/)
  + [April 2013 UF Symposium](http://floridaenergy.ufl.edu/fesc-conferences/2013-energy-session-panel/)
    - [April 2013 UF Symposium Presentations](http://floridaenergy.ufl.edu/fesc-conferences/2013-energy-session-panel/symposium-presentations/)
    - [April 2013 UF Symposium Energy Panel Photos](http://floridaenergy.ufl.edu/fesc-conferences/2013-energy-session-panel/symposium-photos/)
* [Contact Us](http://floridaenergy.ufl.edu/contact-us/)
* [Zero Energy Demo Homes / Solar Decathlon Houses](http://floridaenergy.ufl.edu/zero-energy-demo-homes-solar-decathlon-houses/)
* [FESC User Facilities (FL-CAN)](http://floridaenergy.ufl.edu/fesc-user-facilities-fl-can/)
* [FESC User Facilities (FL-CAN)](http://floridaenergy.ufl.edu/fesc-user-facilities-fl-can-2/)
* [Home](http://floridaenergy.ufl.edu/)
* [About Us](http://floridaenergy.ufl.edu/about/)
  + [Faculty](http://floridaenergy.ufl.edu/about/faculty/)
    - [By Research Area](http://floridaenergy.ufl.edu/about/faculty/by-research-area/)
    - [By University](http://floridaenergy.ufl.edu/about/faculty/by-university/)
  + [Leadership Team](http://floridaenergy.ufl.edu/about/leadership-team/)
  + [University Leads](http://floridaenergy.ufl.edu/about/university-leads/)
  + [Oversight Board](http://floridaenergy.ufl.edu/about/fesc-oversight-board/)
  + [Advisory Board](http://floridaenergy.ufl.edu/about/advisory-board/)
  + [Visit Us](http://floridaenergy.ufl.edu/about/visit-us/)
* [Florida Energy Facts](http://floridaenergy.ufl.edu/florida-energy-facts/)
  + [Florida Energy Statistics](http://floridaenergy.ufl.edu/florida-energy-facts/energy-statistics/)
  + [My Florida Energy Projects](http://floridaenergy.ufl.edu/florida-energy-facts/my-florida-energy-projects/)
  + [Energy Efficiency and Conservation](http://floridaenergy.ufl.edu/florida-energy-facts/energy-efficiency-and-conservation/)
  + [Biomass Energy](http://floridaenergy.ufl.edu/florida-energy-facts/biomass-energy/)
  + [Solar Energy](http://floridaenergy.ufl.edu/florida-energy-facts/solar-energy/)
  + [Nuclear Energy](http://floridaenergy.ufl.edu/florida-energy-facts/nuclear-energy/)
  + [Ocean Energy](http://floridaenergy.ufl.edu/florida-energy-facts/ocean-energy/)
  + [Energy Storage and Delivery](http://floridaenergy.ufl.edu/florida-energy-facts/energy-storage-and-delivery/)
  + [Energy Policy](http://floridaenergy.ufl.edu/florida-energy-facts/energy-policy/)
    - [Energy Bill H 7117](http://floridaenergy.ufl.edu/florida-energy-facts/energy-policy/hb-7117/)
    - [Energy Bill H 7135](http://floridaenergy.ufl.edu/florida-energy-facts/energy-policy/energy-bill-h-7135/)
    - [Energy Bill S 888](http://floridaenergy.ufl.edu/florida-energy-facts/energy-policy/energy-bill-s-888/)
    - [Energy Bill SB 2156](http://floridaenergy.ufl.edu/florida-energy-facts/energy-policy/sb-2156/" \t "_blank)
    - [Executive Orders](http://floridaenergy.ufl.edu/florida-energy-facts/energy-policy/governors-executive-orders/)
  + [US Energy Facts](http://floridaenergy.ufl.edu/florida-energy-facts/us-energy-facts/)
  + [US Energy Facts](http://floridaenergy.ufl.edu/florida-energy-facts/us-energy-facts-2/)
  + [World Energy Statistics](http://floridaenergy.ufl.edu/florida-energy-facts/18104-2/)
* [Sitemap](http://floridaenergy.ufl.edu/sitemap/)
* [News Archive](http://floridaenergy.ufl.edu/news-archive/)
* [News Archive](http://floridaenergy.ufl.edu/news-archive-2/)
* [FESC Expertise](http://floridaenergy.ufl.edu/fesc-experise/)
  + [Algal Biofuels](http://floridaenergy.ufl.edu/fesc-experise/algae/)
  + [Batteries and Energy Storage](http://floridaenergy.ufl.edu/fesc-experise/batteries-and-energy-storage/)
  + [Biomass](http://floridaenergy.ufl.edu/fesc-experise/biomass/)
  + [Biofuels](http://floridaenergy.ufl.edu/fesc-experise/biofuels/)
  + [Building Efficiency](http://floridaenergy.ufl.edu/fesc-experise/building-efficiency/)
  + [Solar to Fuel](http://floridaenergy.ufl.edu/fesc-experise/solar-to-fuel/)
  + [Smart Grid](http://floridaenergy.ufl.edu/fesc-experise/smart-grid-and-energy-storage/)
  + [Photovoltaics (PV)](http://floridaenergy.ufl.edu/fesc-experise/photovoltaics-pv/)
* [FESC Funded Projects](http://floridaenergy.ufl.edu/energy-research/)
  + [By University](http://floridaenergy.ufl.edu/energy-research/by-university/)
  + [By Research Area](http://floridaenergy.ufl.edu/energy-research/by-research-area/)
    - [Overarching](http://floridaenergy.ufl.edu/energy-research/by-research-area/thrust-1-overarching/)
    - [Efficiency](http://floridaenergy.ufl.edu/energy-research/by-research-area/thrust-2-efficiency/)
    - [Biomass](http://floridaenergy.ufl.edu/energy-research/by-research-area/thrust-3-biomass/)
    - [Solar](http://floridaenergy.ufl.edu/energy-research/by-research-area/thrust-4-solar/)
    - [Carbon Capture and Nuclear](http://floridaenergy.ufl.edu/energy-research/by-research-area/thrust-5-nuclear/)
    - [Ocean Energy](http://floridaenergy.ufl.edu/energy-research/by-research-area/thrust-6-ocean-energy/)
    - [Storage & Delivery](http://floridaenergy.ufl.edu/energy-research/by-research-area/thrust-7-storage-delivery/)
    - [Policy](http://floridaenergy.ufl.edu/energy-research/by-research-area/policy-other/)
    - [Other](http://floridaenergy.ufl.edu/energy-research/by-research-area/other/)
    - [Education and Outreach Projects](http://floridaenergy.ufl.edu/energy-research/by-research-area/education-and-outreach/)
    - [Phase 2 Technology Commercialization](http://floridaenergy.ufl.edu/energy-research/by-research-area/phase-2-technology-commercialization/)
* [FL University Research](http://floridaenergy.ufl.edu/fl-university-research/)
  + [2016 Research Archive](http://floridaenergy.ufl.edu/fl-university-research/2016-research-archive/)
    - [Biomass](http://floridaenergy.ufl.edu/fl-university-research/2016-research-archive/biomass/)
    - [Carbon Capture](http://floridaenergy.ufl.edu/fl-university-research/2016-research-archive/carbon-capture/)
    - [Catalyst](http://floridaenergy.ufl.edu/fl-university-research/2016-research-archive/catalyst/)
    - [Climate](http://floridaenergy.ufl.edu/fl-university-research/2016-research-archive/climate/)
    - [Education](http://floridaenergy.ufl.edu/fl-university-research/2016-research-archive/education/)
    - [Efficiency](http://floridaenergy.ufl.edu/fl-university-research/2016-research-archive/efficiency/)
    - [Grid and Security](http://floridaenergy.ufl.edu/fl-university-research/2016-research-archive/grid/)
    - [Marine](http://floridaenergy.ufl.edu/fl-university-research/2016-research-archive/marine/)
    - [Nuclear](http://floridaenergy.ufl.edu/fl-university-research/2016-research-archive/nuclear/)
    - [Other](http://floridaenergy.ufl.edu/fl-university-research/2016-research-archive/other/)
    - [Solar](http://floridaenergy.ufl.edu/fl-university-research/2016-research-archive/solar/)
    - [Storage](http://floridaenergy.ufl.edu/fl-university-research/2016-research-archive/storage/)
    - [Transportation](http://floridaenergy.ufl.edu/fl-university-research/2016-research-archive/transportation/)
    - [Waste to Energy](http://floridaenergy.ufl.edu/fl-university-research/2016-research-archive/waste-to-energy/)
    - [Wind](http://floridaenergy.ufl.edu/fl-university-research/2016-research-archive/wind/)
  + [2015 Research Archive](http://floridaenergy.ufl.edu/fl-university-research/2015-research-archive/)
    - [Biomass](http://floridaenergy.ufl.edu/fl-university-research/2015-research-archive/biomass/)
    - [Carbon Budget/Balance](http://floridaenergy.ufl.edu/fl-university-research/2015-research-archive/carbon-capture/)
    - [Catalyst](http://floridaenergy.ufl.edu/fl-university-research/2015-research-archive/catalyst/)
    - [Climate](http://floridaenergy.ufl.edu/fl-university-research/2015-research-archive/climate/)
    - [Education](http://floridaenergy.ufl.edu/fl-university-research/2015-research-archive/education/)
    - [Energy Efficiency](http://floridaenergy.ufl.edu/fl-university-research/2015-research-archive/energy-efficiency/)
    - [Hydrogen](http://floridaenergy.ufl.edu/fl-university-research/2015-research-archive/hydrogen/)
    - [Marine](http://floridaenergy.ufl.edu/fl-university-research/2015-research-archive/marine/)
    - [Nuclear](http://floridaenergy.ufl.edu/fl-university-research/2015-research-archive/nuclear/)
    - [Other](http://floridaenergy.ufl.edu/fl-university-research/2015-research-archive/other/)
    - [Sensors](http://floridaenergy.ufl.edu/fl-university-research/2015-research-archive/sensors/)
    - [Grid and Security](http://floridaenergy.ufl.edu/fl-university-research/2015-research-archive/smart-grid/)
    - [Solar](http://floridaenergy.ufl.edu/fl-university-research/2015-research-archive/solar/)
    - [Storage](http://floridaenergy.ufl.edu/fl-university-research/2015-research-archive/storage/)
    - [Transportation](http://floridaenergy.ufl.edu/fl-university-research/2015-research-archive/transportation/)
    - [Waste to Energy](http://floridaenergy.ufl.edu/fl-university-research/2015-research-archive/waste-to-energy/)
    - [Wind](http://floridaenergy.ufl.edu/fl-university-research/2015-research-archive/wind/)
  + [2014 Research Archive](http://floridaenergy.ufl.edu/fl-university-research/2014-research-archive/)
    - [Biomass](http://floridaenergy.ufl.edu/fl-university-research/2014-research-archive/biomass/)
    - [Carbon Capture](http://floridaenergy.ufl.edu/fl-university-research/2014-research-archive/carbon-capture/)
    - [Catalyst](http://floridaenergy.ufl.edu/fl-university-research/2014-research-archive/catalyst/)
    - [Climate Change](http://floridaenergy.ufl.edu/fl-university-research/2014-research-archive/climate-change/)
    - [Education](http://floridaenergy.ufl.edu/fl-university-research/2014-research-archive/education/)
    - [Energy Efficiency](http://floridaenergy.ufl.edu/fl-university-research/2014-research-archive/energy-efficiency/)
    - [Fuel Cells](http://floridaenergy.ufl.edu/fl-university-research/2014-research-archive/fuel-cells/)
    - [Heat Pump](http://floridaenergy.ufl.edu/fl-university-research/2014-research-archive/heat-pump/)
    - [LED/OLED](http://floridaenergy.ufl.edu/fl-university-research/2014-research-archive/ledoled/)
    - [Marine](http://floridaenergy.ufl.edu/fl-university-research/2014-research-archive/marine/)
    - [Materials](http://floridaenergy.ufl.edu/fl-university-research/2014-research-archive/materials/)
    - [Nuclear](http://floridaenergy.ufl.edu/fl-university-research/2014-research-archive/nuclear/)
    - [Other](http://floridaenergy.ufl.edu/fl-university-research/2014-research-archive/other/)
    - [Sensors](http://floridaenergy.ufl.edu/fl-university-research/2014-research-archive/sensors/)
    - [Smart Grid](http://floridaenergy.ufl.edu/fl-university-research/2014-research-archive/smart-grid/)
    - [Solar](http://floridaenergy.ufl.edu/fl-university-research/2014-research-archive/solar/)
    - [Storage](http://floridaenergy.ufl.edu/fl-university-research/2014-research-archive/storage/)
    - [Transportation](http://floridaenergy.ufl.edu/fl-university-research/2014-research-archive/transportation/)
    - [Waste to Energy](http://floridaenergy.ufl.edu/fl-university-research/2014-research-archive/waste-to-energy/)
    - [Water](http://floridaenergy.ufl.edu/fl-university-research/2014-research-archive/water/)
    - [Wind](http://floridaenergy.ufl.edu/fl-university-research/2014-research-archive/wind/)
  + [2013 Research Archive](http://floridaenergy.ufl.edu/fl-university-research/2013-research-archive/)
    - [Biomass](http://floridaenergy.ufl.edu/fl-university-research/2013-research-archive/biomass/)
    - [Carbon Capture](http://floridaenergy.ufl.edu/fl-university-research/2013-research-archive/carbon-capture/)
    - [Catalyst](http://floridaenergy.ufl.edu/fl-university-research/2013-research-archive/catalyst/)
    - [Catalyst](http://floridaenergy.ufl.edu/fl-university-research/2013-research-archive/catalyst-2/)
    - [Climate](http://floridaenergy.ufl.edu/fl-university-research/2013-research-archive/climate/)
    - [Education](http://floridaenergy.ufl.edu/fl-university-research/2013-research-archive/education/)
    - [Efficiency](http://floridaenergy.ufl.edu/fl-university-research/2013-research-archive/efficiency/)
    - [Fuel Cell](http://floridaenergy.ufl.edu/fl-university-research/2013-research-archive/fuel-cell/)
    - [Grid](http://floridaenergy.ufl.edu/fl-university-research/2013-research-archive/grid/)
    - [Hydrogen](http://floridaenergy.ufl.edu/fl-university-research/2013-research-archive/hydrogen/)
    - [LED/OLED](http://floridaenergy.ufl.edu/fl-university-research/2013-research-archive/ledoled/)
    - [Marine](http://floridaenergy.ufl.edu/fl-university-research/2013-research-archive/marine/)
    - [Nuclear](http://floridaenergy.ufl.edu/fl-university-research/2013-research-archive/nuclear/)
    - [Other](http://floridaenergy.ufl.edu/fl-university-research/2013-research-archive/other/)
    - [Policy](http://floridaenergy.ufl.edu/fl-university-research/2013-research-archive/policy/)
    - [Solar](http://floridaenergy.ufl.edu/fl-university-research/2013-research-archive/solar/)
    - [Storage](http://floridaenergy.ufl.edu/fl-university-research/2013-research-archive/storage/)
    - [Water](http://floridaenergy.ufl.edu/fl-university-research/2013-research-archive/water/)
    - [Waste to Energy](http://floridaenergy.ufl.edu/fl-university-research/2013-research-archive/waste-to-energy/)
    - [Wind](http://floridaenergy.ufl.edu/fl-university-research/2013-research-archive/wind/)
  + [2012 Research Archive](http://floridaenergy.ufl.edu/fl-university-research/2012-research-archive/)
    - [Biomass](http://floridaenergy.ufl.edu/fl-university-research/2012-research-archive/biomass/)
    - [Catalyst](http://floridaenergy.ufl.edu/fl-university-research/2012-research-archive/catalyst/)
    - [Climate](http://floridaenergy.ufl.edu/fl-university-research/2012-research-archive/climate/)
    - [Education](http://floridaenergy.ufl.edu/fl-university-research/2012-research-archive/education/)
    - [Efficiency](http://floridaenergy.ufl.edu/fl-university-research/2012-research-archive/efficiency/)
    - [Fuel Cell](http://floridaenergy.ufl.edu/fl-university-research/2012-research-archive/fuel-cell/)
    - [Grid](http://floridaenergy.ufl.edu/fl-university-research/2012-research-archive/grid/)
    - [Hydrogen](http://floridaenergy.ufl.edu/fl-university-research/2012-research-archive/hydrogen/)
    - [LED/OLED](http://floridaenergy.ufl.edu/fl-university-research/2012-research-archive/ledoled/)
    - [Marine](http://floridaenergy.ufl.edu/fl-university-research/2012-research-archive/marine/)
    - [Nuclear](http://floridaenergy.ufl.edu/fl-university-research/2012-research-archive/nuclear/)
    - [Other](http://floridaenergy.ufl.edu/fl-university-research/2012-research-archive/other/)
    - [Sensor](http://floridaenergy.ufl.edu/fl-university-research/2012-research-archive/sensor/)
    - [Solar](http://floridaenergy.ufl.edu/fl-university-research/2012-research-archive/solar/)
    - [Storage](http://floridaenergy.ufl.edu/fl-university-research/2012-research-archive/storage/)
    - [Water/Wetland](http://floridaenergy.ufl.edu/fl-university-research/2012-research-archive/waterwetland/)
    - [Waste to Energy](http://floridaenergy.ufl.edu/fl-university-research/2012-research-archive/waste-to-energy/)
    - [Wind](http://floridaenergy.ufl.edu/fl-university-research/2012-research-archive/wind/)
  + [2011 Research Archive](http://floridaenergy.ufl.edu/fl-university-research/2011-research-archive/)
    - [Biomass](http://floridaenergy.ufl.edu/fl-university-research/2011-research-archive/biomass-2/)
    - [Catalyst](http://floridaenergy.ufl.edu/fl-university-research/2011-research-archive/catalyst/)
    - [Carbon Capture](http://floridaenergy.ufl.edu/fl-university-research/2011-research-archive/carbon-capture/)
    - [Climate](http://floridaenergy.ufl.edu/fl-university-research/2011-research-archive/climate/)
    - [Education](http://floridaenergy.ufl.edu/fl-university-research/2011-research-archive/education/)
    - [Efficiency](http://floridaenergy.ufl.edu/fl-university-research/2011-research-archive/efficiency-2/)
    - [Efficiency](http://floridaenergy.ufl.edu/fl-university-research/2011-research-archive/efficiency/)
    - [Fuel Cell](http://floridaenergy.ufl.edu/fl-university-research/2011-research-archive/fuel-cell/)
    - [Hydrogen](http://floridaenergy.ufl.edu/fl-university-research/2011-research-archive/hydrogen/)
      * [Grid](http://floridaenergy.ufl.edu/fl-university-research/2011-research-archive/hydrogen/grid/)
    - [LED/OLED](http://floridaenergy.ufl.edu/fl-university-research/2011-research-archive/ledoled/)
    - [Marine](http://floridaenergy.ufl.edu/fl-university-research/2011-research-archive/marine-2/)
    - [Marine](http://floridaenergy.ufl.edu/fl-university-research/2011-research-archive/marine/)
    - [Nuclear](http://floridaenergy.ufl.edu/fl-university-research/2011-research-archive/nuclear/)
    - [Other](http://floridaenergy.ufl.edu/fl-university-research/2011-research-archive/other/)
    - [Sensor](http://floridaenergy.ufl.edu/fl-university-research/2011-research-archive/sensor/)
    - [Solar](http://floridaenergy.ufl.edu/fl-university-research/2011-research-archive/solar/)
    - [Storage](http://floridaenergy.ufl.edu/fl-university-research/2011-research-archive/storage-2/)
    - [Storage](http://floridaenergy.ufl.edu/fl-university-research/2011-research-archive/storage/)
    - [Water/Wetland](http://floridaenergy.ufl.edu/fl-university-research/2011-research-archive/waterwetland/)
    - [Wind](http://floridaenergy.ufl.edu/fl-university-research/2011-research-archive/wind/)
* [Technology Commercialization](http://floridaenergy.ufl.edu/industry/)
  + [Florida Tech Transfer Offices](http://floridaenergy.ufl.edu/industry/florida-tech-transfer-offices/)
  + [IP by University](http://floridaenergy.ufl.edu/industry/ip-by-university/)
  + [FESC Technology Incubators](http://floridaenergy.ufl.edu/industry/fesc-technology-incubators/)
  + [Industry Support & Economic Development Organizations](http://floridaenergy.ufl.edu/industry/industry-support-organizations/)
  + [Industry Support & Economic Development Organizations](http://floridaenergy.ufl.edu/industry/industry-support-organizations-2/)
* [Facilities and Resources](http://floridaenergy.ufl.edu/facilities-and-resources/)
  + [Florida Atlantic University](http://floridaenergy.ufl.edu/facilities-and-resources/florida-atlantic-university/" \t "_blank)
  + [Florida International University](http://floridaenergy.ufl.edu/facilities-and-resources/florida-international-university/" \t "_blank)
  + [Florida State University](http://floridaenergy.ufl.edu/facilities-and-resources/florida-state-university/" \t "_blank)
  + [Florida State University](http://floridaenergy.ufl.edu/facilities-and-resources/florida-state-university-2/" \t "_blank)
  + [Florida Solar Energy Center](http://floridaenergy.ufl.edu/facilities-and-resources/florida-solar-energy-center/" \t "_blank)
  + [University of Central Florida](http://floridaenergy.ufl.edu/facilities-and-resources/university-of-central-florida/" \t "_blank)
  + [University of Florida](http://floridaenergy.ufl.edu/facilities-and-resources/university-of-florida/" \t "_blank)
  + [University of South Florida](http://floridaenergy.ufl.edu/facilities-and-resources/university-of-south-florida/" \t "_blank)
  + [Florida Institute of Technology](http://floridaenergy.ufl.edu/facilities-and-resources/florida-institute-of-technology/" \t "_blank)
* [Energy Industry](http://floridaenergy.ufl.edu/fl-energy-industry/)
  + [Energy Efficiency](http://floridaenergy.ufl.edu/fl-energy-industry/enegy-efficiency/)
  + [Energy Crops](http://floridaenergy.ufl.edu/fl-energy-industry/smart-grid/)
  + [Algae](http://floridaenergy.ufl.edu/fl-energy-industry/algae-2/)
  + [Biomass & Biofuels](http://floridaenergy.ufl.edu/fl-energy-industry/under-construction/)
  + [Solar](http://floridaenergy.ufl.edu/fl-energy-industry/solar/)
  + [Waste To Energy](http://floridaenergy.ufl.edu/fl-energy-industry/waste-to-energy/)
  + [Smart Grid & Power](http://floridaenergy.ufl.edu/fl-energy-industry/energy-storage-2/)
  + [Energy Storage](http://floridaenergy.ufl.edu/fl-energy-industry/energy-storage/)
  + [Network & Security](http://floridaenergy.ufl.edu/fl-energy-industry/information-technology/)
  + [Utilities, Electric & Power](http://floridaenergy.ufl.edu/fl-energy-industry/utilities-power/)
  + [Marine](http://floridaenergy.ufl.edu/fl-energy-industry/marine-2/)
  + [Natural Gas](http://floridaenergy.ufl.edu/fl-energy-industry/natural-gas/)
  + [Wind](http://floridaenergy.ufl.edu/fl-energy-industry/marine/)
  + [Gas Turbine, Oil & Petroleum](http://floridaenergy.ufl.edu/fl-energy-industry/gas-oil-petroleum/)
  + [Water Purification](http://floridaenergy.ufl.edu/fl-energy-industry/water/)
  + [Consulates & Law](http://floridaenergy.ufl.edu/fl-energy-industry/law/)
  + [Engineering Consulting](http://floridaenergy.ufl.edu/fl-energy-industry/engineering-consulting/)
  + [Associations & Organizations](http://floridaenergy.ufl.edu/fl-energy-industry/associations-organizations/)
  + [Energy Financing & Funding](http://floridaenergy.ufl.edu/fl-energy-industry/financing/)
  + [FL University Spin-off](http://floridaenergy.ufl.edu/fl-energy-industry/fl-university-spin-off/)
  + [Educational & Professional Energy Opportunities](http://floridaenergy.ufl.edu/fl-energy-industry/education-energy-opportunities/)
  + [Other](http://floridaenergy.ufl.edu/fl-energy-industry/other/)
* [Energy Education/ Energy Jobs](http://floridaenergy.ufl.edu/energy-education/)
  + [Energy Literacy](http://floridaenergy.ufl.edu/energy-education/energy-literacy/)
  + [Energy Certificate – UF EDGE Program](http://floridaenergy.ufl.edu/energy-education/energy-certificate-uf-edge-program/)
  + [Energy Education by Discipline](http://floridaenergy.ufl.edu/energy-education/energy-education-by-discipline-2/)
  + [Energy Education by Institution](http://floridaenergy.ufl.edu/energy-education/energy-education-by-institution/)
  + [Free Online Courses](http://floridaenergy.ufl.edu/energy-education/free-online-courses/)
  + [Educational Programs and Workshops](http://floridaenergy.ufl.edu/energy-education/educational-programsworkshops/)
  + [FESC Educational Projects](http://floridaenergy.ufl.edu/energy-education/energy-education-by-discipline/)
  + [Energy Jobs](http://floridaenergy.ufl.edu/energy-education/energy-jobs/)
  + [Nuclear Training Reactor at UF](http://floridaenergy.ufl.edu/energy-education/nuclear-training-reactor-at-uf/)
  + [Energy Extension Service](http://floridaenergy.ufl.edu/energy-education/energy-extension-service/)
  + [Demonstrations](http://floridaenergy.ufl.edu/energy-education/demonstrations/)
* [Public Outreach: Fact Sheets, Videos, and Research Areas](http://floridaenergy.ufl.edu/public-outreach/)
  + [Energy Fact Sheets](http://floridaenergy.ufl.edu/public-outreach/energy-fact-sheets/)
  + [Energy Video Clips](http://floridaenergy.ufl.edu/public-outreach/public-service-announcements/)
  + [FESC Research Areas, News and Expertise](http://floridaenergy.ufl.edu/public-outreach/fesc-research-areas/)
* [Annual Reports, Publications and Presentations](http://floridaenergy.ufl.edu/publications/)
  + [2014 Stakeholders Meeting](http://floridaenergy.ufl.edu/publications/2014-stakeholders-meeting/)
  + [Oversight Board Meeting](http://floridaenergy.ufl.edu/publications/oversight-board-meeting/)
  + [FESC Newsletters](http://floridaenergy.ufl.edu/publications/fesc-newsletters/)
  + [FESC Presentations](http://floridaenergy.ufl.edu/publications/fesc-presentations/)
  + [Other](http://floridaenergy.ufl.edu/publications/other/)
    - [US DOE Roadmaps](http://floridaenergy.ufl.edu/publications/other/us-doe-roadmaps/)
  + [Other](http://floridaenergy.ufl.edu/publications/other-2/)
    - [US DOE Roadmaps](http://floridaenergy.ufl.edu/publications/other-2/us-doe-roadmaps/)
* [Funding Opportunities](http://floridaenergy.ufl.edu/funding-opportunities/)
  + [DARPA](http://floridaenergy.ufl.edu/funding-opportunities/darpa/)
  + [EPA](http://floridaenergy.ufl.edu/funding-opportunities/epa-2/)
  + [Florida Clean Energy Grant](http://floridaenergy.ufl.edu/funding-opportunities/florida-clean-energy-grant-2/)
  + [National Science Foundation](http://floridaenergy.ufl.edu/funding-opportunities/national-science-foundation/)
  + [Student Opportunities](http://floridaenergy.ufl.edu/funding-opportunities/student-opportunities-2/)
  + [US Department of Agriculture](http://floridaenergy.ufl.edu/funding-opportunities/us-department-of-agriculture-2/)
  + [US Army](http://floridaenergy.ufl.edu/funding-opportunities/us-army/)
  + [US Department of the Air Force](http://floridaenergy.ufl.edu/funding-opportunities/us-department-of-the-air-force/)
  + [US Department of Defense](http://floridaenergy.ufl.edu/funding-opportunities/department-of-defense/)
  + [US Department of Energy](http://floridaenergy.ufl.edu/funding-opportunities/us-department-of-energy/)
  + [US Department of Labor](http://floridaenergy.ufl.edu/funding-opportunities/department-of-labor-2/)
  + [US Department of the Navy](http://floridaenergy.ufl.edu/funding-opportunities/us-department-of-the-navy/)
  + [Other](http://floridaenergy.ufl.edu/funding-opportunities/other-2/)
  + [Teachers and Students](http://floridaenergy.ufl.edu/funding-opportunities/teachers-and-students/)
* [Frequently Asked Questions](http://floridaenergy.ufl.edu/frequently-asked-questions/)
* [Links](http://floridaenergy.ufl.edu/links/)
  + [Centers & Consortia](http://floridaenergy.ufl.edu/links/consortia-organizations/)
  + [Centers & Consortia](http://floridaenergy.ufl.edu/links/consortia-organizations-2/)
  + [Industry & University Consortia](http://floridaenergy.ufl.edu/links/florida-consortia/)
  + [Industry & University Consortia](http://floridaenergy.ufl.edu/links/florida-consortia-2/)