Florida International University researchers were awarded $10,717,795 in October 2015. Listed below is a summary of awards received for the month of October.

PI: Jose R Almirall  
**CHEMISTRY**  
**Award Action Type:** Initial  
**AWARDING SPONSOR:** National Institute of Justice  
**TITLE:** Characterization and comparison of tape evidence using elemental profiling methods and chemometric analyses  
**AWARD:** $244,072

PI: Jose R Almirall  
**CHEMISTRY**  
**Award Action Type:** Initial  
**AWARDING SPONSOR:** National Institute of Justice  
**TITLE:** Strengthening the Evaluation and Interpretation of Glass Evidence using statistical analysis of collection sets and databases of refractive index and elemental data (uXRF, ICP-MS and LA-ICP-MS)  
**AWARD:** $230,471

PI: Alejandro Miguel Arrieta Herrera  
**HEALTH POLICY AND MGMT**  
**Award Action Type:** Continuation  
**AWARDING SPONSOR:** Indiana University  
**TITLE:** Evaluating the Cost-Benefit of a Contingency Management Intervention to Reduce Smoking among Pregnant Women in Indiana  
**AWARD:** $49,819

PI: Atorod Azizinamini  
**CIVIL AND ENVIRON ENGINEERING**  
**Award Action Type:** Supplemental  
**AWARDING SPONSOR:** U.S. Department of Transportation  
**TITLE:** Tier 1 University Transportation Center U.S. DOT Strategic Goal Focus Area: State of Good Repair  
**AWARD:** $923,700

PI: Atorod Azizinamini  
**CIVIL AND ENVIRON ENGINEERING**  
**Award Action Type:** Initial  
**AWARDING SPONSOR:** American Assoc State Highway & Transp Of  
**TITLE:** Travel reimbursement (scholarship) services for the 2015 SHRP 2 ABC Conference in December 2015  
**AWARD:** $75,000
PI: Marianna Baum  
**Dietetics and Nutrition**  
Award Action Type: Initial  
Awarding Sponsor: National Institute on Drug Abuse  
**Title:** Cohort Studies of HIV/AIDS and Substance Abuse in Miami  
Award: $1,116,569

PI: Shekhar Bhansali  
**Elec and Computer Eng**  
Award Action Type: Initial  
Awarding Sponsor: North Carolina State University  
**Title:** Advanced Self-Powered Systems of Integrated Sensor Technologies (ASSIST)  
Award: $73,955

PI: Kevin Mershon Boswell  
**Inst of Water and Environment**  
Award Action Type: Supplemental  
Awarding Sponsor: Industrial Economics Inc  
**Title:** Analysis of acoustic data from Deep Water Horizon  
Award: $79,180

PI: Kevin Mershon Boswell  
**Inst of Water and Environment**  
Award Action Type: Initial  
Awarding Sponsor: Florida Institute of Oceanography  
**Title:** Fishery-independent Surveys of Reef Fish Community, Size, and Age Structure off Northwest Florida  
Award: $290,742

PI: Cheryl D Brewster  
**Com Student Affairs**  
Award Action Type: Initial  
Awarding Sponsor: U.S. Department of Health & Human Service  
**Title:** Florida Science Training and Research (STAR) Fellowship  
Award: $493,377

PI: Fabian Cevallos  
**Civil and Environ Engineering**  
Award Action Type: Initial  
Awarding Sponsor: Triangle Transit  
**Title:** Bus Stop Management System  
Award: $62,525

PI: Shu-Ching Chen  
**International Hurricane Center**  
Award Action Type: Supplemental  
Awarding Sponsor: Florida Office of Insurance Regulation  
**Title:** FPHL Model Operation and Maintenance, and Model Upgrades: Sub-Project for Dr. Chen  
Award: $106,910
PI: Shu-Ching Chen

**INTERNATIONAL HURRICANE CENTER**

**Award Action Type:** Supplemental

**AWARDING SPONSOR:** Florida Office of Insurance Regulation

**TITLE:** Florida Public Hurricane Loss Model Project Model Enhancements to Estimate Losses from Storm Surge and Flooding 2013-2014: Sub-Project for Dr. Chen

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<tr>
<th>AWARD</th>
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<tbody>
<tr>
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<td>159,879</td>
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</table>

PI: Shu-Ching Chen

**COMPUTER INFO SCIENCES**

**Award Action Type:** Increase

**AWARDING SPONSOR:** Purdue University

**TITLE:** A Data Mining Framework for Enhancing Emergency Response Situation Reports with Multi-Agency, Multi-Partner, Multimedia Data

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PI: Helen Z Cornely

**NURSING AND HLTH SCI DEANS OFF**

**Award Action Type:** Increase

**AWARDING SPONSOR:** Health Resources & Services Administrati

**TITLE:** Scholarship for Disadvantaged Students

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<tr>
<th>AWARD</th>
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PI: Jose Miguel Cruz

**LATIN AMERICAN AND CARIB CTR**

**Award Action Type:** Increase

**AWARDING SPONSOR:** CACI International Inc

**TITLE:** CERDEC Flight Activity (CFA) System Engineering Support: Sub-Project-LACC

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PI: Timothy Dean

**PRE-COLLEGIATE & COLL. PROGRAM**

**Award Action Type:** Initial

**AWARDING SPONSOR:** Florida Department of Education

**TITLE:** South Florida CROP Consortium 2015-2016

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PI: Maria Donoso

**EARTH AND ENVIRONMENT**

**Award Action Type:** Increase

**AWARDING SPONSOR:** US Agency for International Development

**TITLE:** Rwanda Integrated Water Security Program (RIWSP)

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PI: Brian Fonseca

**ARC APPLIED RESEARCH CENTER**

**Award Action Type:** Increase

**AWARDING SPONSOR:** CACI International Inc

**TITLE:** CERDEC Flight Activity (CFA) System Engineering Support

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<td>PI: Kenneth G Furton</td>
<td><strong>Awards:</strong></td>
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<td><strong>Provost and Exec VP Acad Aff</strong></td>
<td>Initial</td>
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<td><strong>Award:</strong></td>
<td><strong>$640,000</strong></td>
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<tr>
<th>PI: Evelyn Gaiser</th>
<th><strong>Awards:</strong></th>
<th><strong>Awarding Sponsor:</strong></th>
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<tbody>
<tr>
<td><strong>Southeast Env Research Ctr</strong></td>
<td>Increase</td>
<td>National Science Foundation</td>
<td>LTER: FCE LTER III - Coastal Oligotrophic Ecosystems Research: Gaiser LTER III: Infrastructure</td>
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<td><strong>Award:</strong></td>
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<tr>
<th>PI: Evelyn Gaiser</th>
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<tr>
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<td>Increase</td>
<td>National Science Foundation</td>
<td>LTER: FCE LTER III - Coastal Oligotrophic Ecosystems Research: LTER III: Equipment Supplement</td>
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<td><strong>Award:</strong></td>
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<tbody>
<tr>
<td><strong>International Hurricane Center</strong></td>
<td>Supplemental</td>
<td>Florida Office of Insurance Regulation</td>
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<tbody>
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<td>Florida Office of Insurance Regulation</td>
<td>FPHL Model Operation and Maintenance, and Model Upgrades: Sub-Project for Sub-Contracts</td>
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<tbody>
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<td><strong>International Hurricane Center</strong></td>
<td>Supplemental</td>
<td>Florida Office of Insurance Regulation</td>
<td>Florida Public Hurricane Loss Model Project Model Enhancements to Estimate Losses from Storm Surge and Flooding 2013-2014</td>
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<td><strong>Award:</strong></td>
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<tr>
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<th><strong>Awards:</strong></th>
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<td>Supplemental</td>
<td>Florida Office of Insurance Regulation</td>
<td>Florida Public Hurricane Loss Model Project Model Enhancements to Estimate Losses from Storm Surge and Flooding 2013-2014: Hamid's Sub-Contracts</td>
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<td><strong>Award:</strong></td>
<td><strong>$671,937</strong></td>
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</table>
PI: David Kadko
**ARC APPLIED RESEARCH CENTER**
**Award Action Type:** Initial
**AWARDING SPONSOR:** Office of Naval Research
**TITLE:** Beryllium-7 as a tracer of solar heating of the surface waters of the Arctic Ocean during the 2015 US Geotraces Arctic cruise  
**AWARD:** $78,971

PI: Sakhrat Khizroev
**ELEC AND COMPUTER ENG**
**Award Action Type:** Initial
**AWARDING SPONSOR:** Innovelix Inc
**TITLE:** Simultaneous Wireless Powering and Communication of Wearable Sensors  
**AWARD:** $67,498

PI: Laird H Kramer
**STEM INSTITUTE**
**Award Action Type:** Increase
**AWARDING SPONSOR:** Howard Hughes Medical Institute
**TITLE:** Collaborative for Institutionalizing Scientific Learning at FIU  
**AWARD:** $300,000

PI: Bruce Mc Cord
**CHEMISTRY**
**Award Action Type:** Initial
**AWARDING SPONSOR:** Pressure BioSciences Inc
**TITLE:** Development of PCT-Base Rape Kits  
**AWARD:** $70,000

PI: Adriana G McEachern
**COE LEADERSHIP AND PROF STU**
**Award Action Type:** Initial
**AWARDING SPONSOR:** U.S. Department of Education
**TITLE:** Training "Worlds Ahead" Vocational Rehabilitation Counselors at Florida International University  
**AWARD:** $180,000

PI: Osama A Mohammed
**ELEC AND COMPUTER ENG**
**Award Action Type:** Initial
**AWARDING SPONSOR:** University of Arkansas
**TITLE:** An Interdisciplinary Approach to Integratable, Composable and Evolvable Cybersecurity in Energy Delivery Systems  
**AWARD:** $75,000

PI: Norman D Munroe
**OSAS ENGINEERING AND COMPUTING**
**Award Action Type:** Increase
**AWARDING SPONSOR:** National Action Council for Minorities
**TITLE:** NACME Initiative at Florida International University  
**AWARD:** $18,000
PI: Edward P Murray  
**METROPOLITAN CENTER**  
**Award Action Type:** Initial  
**AWARDING SPONSOR:** Haitian American Community Dev Corp  
**TITLE:** Little Haiti Housing Community Needs Assessment  
**AWARD:** $15,400

PI: Maria Olenick  
**NURSING FEP BBC**  
**Award Action Type:** Increase  
**AWARDING SPONSOR:** U.S. Department of Veterans Affairs  
**TITLE:** VA Nursing Academic Partnership Program (VANAP)  
**AWARD:** $546,094

PI: William E Pelham Jr  
**CENTER FOR CHILDREN AND FAM**  
**Award Action Type:** Initial  
**AWARDING SPONSOR:** University at Buffalo SUNY  
**TITLE:** Enhancing Father Engagement to Promote Social, Behavioral and Academic Outcomes  
**AWARD:** $194,410

PI: Rene Price  
**SOUTHEAST ENV RESEARCH CTR**  
**Award Action Type:** Increase  
**AWARDING SPONSOR:** South Florida Water Management District  
**TITLE:** LILA: Phase V: Loxahatchee Impoundment Landscape Assessment: Tree Island, Ridge and Slough Studies: LILA: Phase V: Price  
**AWARD:** $24,664

PI: Gang Quan  
**ELEC AND COMPUTER ENG**  
**Award Action Type:** Initial  
**AWARDING SPONSOR:** University of California Riverside  
**TITLE:** CSR: Small: Collaborative Research  
**AWARD:** $56,843

PI: Gang Quan  
**ELEC AND COMPUTER ENG**  
**Award Action Type:** Initial  
**AWARDING SPONSOR:** University of California Riverside  
**TITLE:** CSR: Small: Collaborative Research: Making Virtualized Data Center Less “Thirsty” via Online Thermal-Aware Resource Management and Pricing-based Incentives  
**AWARD:** $8,000

PI: Joseph Raiker Jr  
**PSYCHOLOGY**  
**Award Action Type:** Initial  
**AWARDING SPONSOR:** Brain and Behavior Research Foundation  
**TITLE:** The Utility of Cognitive Subgroups in Predicting Treatment Response to Methylphenidate in Children with ADHD  
**AWARD:** $35,000
PI: Michael S Ross
SOUTHEAST ENV RESEARCH CTR
Award Action Type: Increase
AWARDING SPONSOR: South Florida Water Management District
TITLE: LILA: Phase V: Loxahatchee Impoundment Landscape Assessment Tree Island, Ridge and Slough Studies: LILA: Phase V: Ross AWARD: $ 48,049

PI: Leonard Scinto
SOUTHEAST ENV RESEARCH CTR
Award Action Type: Increase
AWARDING SPONSOR: South Florida Water Management District
TITLE: LILA: Phase V: Loxahatchee Impoundment Landscape Assessment Tree Island, Ridge and Slough Studies AWARD: $ 97,286

PI: Markus L Thiel
SIPA
Award Action Type: Initial
AWARDING SPONSOR: European Commission
TITLE: Miami Florida Jean Monnet Centre of Excellence (MF-JMCE) AWARD: $ 20,000

PI: Joel Trexler
SOUTHEAST ENV RESEARCH CTR
Award Action Type: Initial
AWARDING SPONSOR: South Florida Water Management District
TITLE: Quantification of the aquatic faunal community and its effect on water quality in the Everglades Stormwater Treatment Areas (STAs) AWARD: $ 212,307

PI: Tiffany Troxler
SOUTHEAST ENV RESEARCH CTR
Award Action Type: Increase
AWARDING SPONSOR: South Florida Water Management District
TITLE: Ecological Monitoring of Water and Habitat Quality Associated with the C-111 Spreader Canal Project AWARD: $ 135,000

PI: Yi Xiao
CHEMISTRY
Award Action Type: Initial
AWARDING SPONSOR: National Institute of Justice
TITLE: Electrochemical and Colorimetric Aptamer-Based Sensors for Rapid On-site Screening of Synthetic Cannabinoids in Seized Substances and Biological samples. AWARD: $ 50,000

PI: Keqi Zhang
INTERNATIONAL HURRICANE CENTER
Award Action Type: Initial
AWARDING SPONSOR: National Oceanic and Atmospheric Admin
TITLE: Transition of the Coastal and Estuarine Storm Tide Model to an Operational Model for Forecasting Storm Surges AWARD: $ 131,566