



## Monthly New Awards – November 2018

### **Al-Deek, Haitham M.**

Phase-1: A Roadway Context Classification Approach for Developing Safety Performance Functions and Determining Traffic Operational Effects for Florida Intersections  
Florida Department of Transportation  
\$229,999  
College of Engineering and Computer Science

### **Alvarez, Sergio**

Assessment of Losses and Damage to Florida Agriculture from Hurricane Michael Florida  
Department of Agriculture and Consumer Services  
\$14,583  
Faculty Cluster Initiative

### **Bridge, Candice M.**

Analysis and Characterization of Smokeless Powders and Smokeless Powder Residues  
National Institute of Justice  
\$150,000  
College of Sciences

### **Chernyak, Leonid**

Optical and elemental characterization of Ohmic contacts to n-type AlGaIn/GaN structures  
Government of Israel: Ministry of Defense  
\$50,064  
College of Sciences

### **Choi, Eun M.**

SBDC Lake County  
Lake County  
\$150,000  
Office of Research and Commercialization

### **Choi, Eun M.**

SBDC Kissimmee  
Kissimmee/Osceola County Chamber of Commerce  
\$60,000  
Office of Research and Commercialization

### **Christodoulides, Demetrios N. / Khajavikhan, Mercedeh**

Advanced Symmetry Concepts and their Violation in Composite Photonic Structures  
Wesleyan University  
\$74,886  
College of Optics and Photonics

**Colon, Carlos J. / Chasar, David A. / Parker, Danny S. / Vieira, Robin K.**  
Home Appliance Electricity, Air Temperature and Relative Humidity Metering  
The Regents of The University of California  
\$1,923,106  
Florida Solar Energy Center

**Crabbs, Robert F.**  
Operations Support for CHOMPTT CubeSat Mission  
University of Florida Board of Trustees  
\$50,608  
College of Optics and Photonics

**Crabbs, Robert F.**  
UTC Aerospace Testing at SLF  
Cloud Cap Technology  
\$14,080  
College of Optics and Photonics

**Dawson, Nicole Therese / Stock, Matt S.**  
Investigating the Unique Predictors of Comfortable and Fast Gait Speed in Community Dwelling  
Older Adults  
The Learning Institute for Elders  
\$7,300  
College of Health Professions and Sciences

**Diaz, Desiree A.**  
Barriers to Healthcare for the Transgender Population  
UCF Foundation, Inc  
\$1,000  
College of Nursing

**Dieker, Lisa A. / Vasquez, Eleazar**  
Preparing Next Generation Special Education Leadership Scholars: LEAD NEXT  
US Department of Education  
\$250,000  
College of Community Innovation and Education

**Emrich, Christopher / Alvarez, Sergio**  
Hurricane Irma Needs Assessment Updates and Amendments, 2nd Allocation  
Florida Department of Economic Opportunity  
\$20,000  
College of Community Innovation and Education

**Emrich, Christopher / Zhou, Yao**  
Updates and Revisions to the Florida Public Health Risk Assessment Tool  
Florida Department of Health  
\$99,999  
College of Community Innovation and Education

**Flitsiyan, Elena**

WebAssign Course Royalties  
Cengage Learning, Inc.  
\$2,588  
College of Sciences

**Foroosh, Hassan**

NASA GOLD Mission Science Data Center  
University of Colorado at Boulder  
\$99,127  
College of Engineering and Computer Science

**Garibay, Ivan I.**

Microsoft Azure Credit-NSF BDHub network  
Microsoft Corporation  
\$60,000  
College of Engineering and Computer Science

**Garibay, Ivan I. / Hughes, Charles E.**

Disney-UCF Lifelong Learning Program: A New paradigm in STEM and Business Workforce  
Development  
Walt Disney Attractions Technology LLC  
\$398,000  
College of Engineering and Computer Science

**Gonzalez, Laura**

Understanding the Healthcare Experiences of Deferred Action for Childhood Arrivals  
UCF Foundation, Inc  
\$500  
College of Nursing

**Gryglewicz, Kimberley Ann / Fisher, Kristina Kay**

Central Florida Pathways to Awareness, Support & Services  
Substance Abuse and Mental Health Services Administration  
\$375,000  
College of Health Professions and Sciences

**Guo, Zhaomiao**

Impacts of Electrified Sharing Economy on Transportation and Energy Systems  
UChicago Argonne, LLC / Argonne National Laboratory  
\$90,000  
College of Engineering and Computer Science

**Harris, Shana**

The Last Resort: Medical Travel and Drug Treatment with Ibogaine in Mexico  
Wenner-Gren Foundation  
\$18,150  
College of Sciences

**Hawkins, Christopher V. / Fennessy, Roberta Andrade / Yu, Chia-Yuan**

Lake County Master Plan Study

Lake County

\$30,000

College of Community Innovation and Education

**Hickman, James Joseph / Guo, Xiufang**

Development of an integrated 4-organ animal model

Hesperos, Inc

\$58,911

NanoScience Technology Center

**Jex, Steve / Horan, Kristin Alyssa / Su, Shiyang**

The Training Solution: Increasing ADD Awareness in the Workplace

Attention Deficit Disorder Association

\$9,395

College of Sciences

**Kapat, Jayanta S. / Fernandez, Erik Julio**

SEC Project on Advanced Cooling for Gas Turbines

Siemens Energy, Inc.

\$95,062

College of Engineering and Computer Science

**Lee, Woo Hyoung / Cho, Hyoung Jin / Hwang, Jae-Hoon**

A Biopolymer-based Simple Lead Check in Tap Water

US Environmental Protection Agency

\$15,000

College of Engineering and Computer Science

**Little, Mary E. / Edwards, Oliver W.**

Project Bridges: Interdisciplinary Preparation in Special Education

US Department of Education

\$250,000

College of Community Innovation and Education

**Little, Mary E. / Hahs-Vaughn, Debbie L.**

Enhancing Quality in Teacher Preparation in Mathematics within Urban Partnerships

US Department of Education

\$3,001,406

College of Community Innovation and Education

**Lobo Fenoglio, Fluvio Luis**

Patient-Centered Design, Validation and Manufacturing of 3D-Printed Medical Devices

Elizabeth Morse Genius Foundation

\$125,000

Institute for Simulation and Training

**Mansfield, Katherine / Seney, Erin E.**

Development of an animal tracking tag for biological research: refractive index for rapid georeferenced salinity measurements over a wide dynamic range.

SRI International

\$12,000

College of Sciences

**Marino, Matthew Todd / Dieker, Lisa A. / Vasquez, Eleazar**

Technology Enhanced Learning Enabled by Partner Organizations, Research, and Teaching Success: TELEPORTS

US Department of Education

\$250,000

College of Community Innovation and Education

**Martin, Eric D. / Withers, Charles R.**

Estimating Internal Moisture Generation Rates in Occupied, New Homes in Hot Humid and Mixed Humid Climates

American Society of Heating, Refrigerating and Air-Conditioning Engineers

\$142,378

Florida Solar Energy Center

**Mohaisen, Abedelaziz Aziz**

Data Provenance Assurance in Cloud using Block Chain

Old Dominion University Research Foundation

\$52,973

College of Engineering and Computer Science

**Mohaisen, Abedelaziz Aziz**

Development of Curriculum and Hands-on Labs for Mobile Computing Security

Florida Polytechnic University

\$36,250

College of Engineering and Computer Science

**O'Neal, Thomas P.**

Joint Project to Promote U.S. Exports

US Department of Commerce

\$17,000

College of Engineering and Computer Science

**O'Neal, Thomas P.**

Research Support Contributions

Various

\$515

College of Engineering and Computer Science

**Pang, Shuo**

Parallel Camera

Aqueti

\$5,587

College of Optics and Photonics

**Periasamy, Muthu**

Periasamy Startup  
Sanford Burnham Prebys Medical Discovery Institute  
\$400,000  
College of Medicine

**Pourmohammadi Fallah, Yaser**

Energy Demand Data Analysis  
City of Orlando  
\$5,000  
College of Engineering and Computer Science

**Renk, Kimberly D.**

Pine Hills Preschool Project-Year 2: Creating Attachment-Infused Classrooms  
Early Learning Coalition of Orange County  
\$40,376  
College of Sciences

**Roy, Tania**

Characterization and Modeling of Artificial Neurons and Synapses  
BAE Systems  
\$20,819  
NanoScience Technology Center

**Schultz, John J.**

Forensic Anthropology Technical Expertise  
Orange County Board of County Commissioners  
\$6,000  
College of Sciences

**Seal, Sudipta**

Northrop Grumman Collaboration  
Northrop Grumman Systems Corporation  
\$15,000  
Advanced Materials Processing and Analysis Center

**Vasquez, Eleazar / Towson, Jacqueline Anne**

Preparing Special Education Teachers and Speech-Language Practitioners in Autism Spectrum Disorders  
US Department of Education  
\$1,249,999  
College of Community Innovation and Education

**Walters, Linda J.**

Microplastics, Oysters and the Indian River Lagoon  
Indian River Lagoon Council  
\$99,797  
College of Sciences

**Winston, Haley**

Volunteer Florida Agreement

Volunteer Florida

\$17,582

Student Development and Enrollment Services

**Wu, Shin-Tson**

Smart Windows for Automotive Applications

Shadevision GmbH

\$180,000

College of Optics and Photonics