



UNIVERSITY OF  
CENTRAL FLORIDA

## Monthly New Awards – February 2017

**Abdel-Aty, Mohamed A. / Eluru, Naveen / Hasan, Samiul / Lee, JaeYoung**

Integrated Freeway/Arterial Active Traffic Management

Florida Department of Transportation

\$449,861

College of Engineering and Computer Science - Center for Advanced Transportation Systems Simulation / Civil, Environmental, and Construction Engineering

**Abou-Senna, Hatem Ahmed Yassin / Radwan, Ahmed E.**

Dynamic Flashing Yellow Arrow – Phase III - Developing A Decision Support System Hardware Platform

Florida Department of Transportation

\$350,749

College of Engineering and Computer Science - Center for Advanced Transportation Systems Simulation

**Bagley, Dean A. / Mansfield, Katherine**

Satellite-Tracking Adult Green Turtles from the Archie Carr National Wildlife Refuge

Sea Turtle Preservation Society

\$7,420

College of Sciences - Biology

**Ballantyne, John / Hanson, Erin K.**

Human Organ Tissue Identification by Targeted RNA Deep Sequencing to Aid in the Investigation of Shooting and Other Traumatic Bodily Injury Incidents

National Institute of Justice

\$424,799

College of Sciences - Chemistry / National Center for Forensic Science

**Britt, Daniel T.**

Task Specific Asteroid Simulants for Ground Testing

Deep Space Industries, Inc.

\$201,186

College of Sciences – Physics

**Choi, Eunice M.**

Small Business Development Center (SBDC) - Kissimmee / Osceola County Chamber of Commerce - 2017

\$60,000

Office of Research and Commercialization - SBDC

**Das, Tuhin**

Power Plant Dynamic Modeling on the Siemens T3000 Simulation Platform for Transient Simulations – Phase C

Siemens Energy, Inc.

\$80,564

College of Engineering and Computer Science - Center for Advanced Turbomachinery and Energy Research

**Diaz, Desiree A. / Anderson, Mindi A.**

Creation of a Pediatric Sepsis Early Recognition Simulation and Checklist

Sigma Theta Tau International

\$632

College of Nursing

**Duranceau, Steven J. / Sadmani, A.H. M. Anwar**

West Nanofiltration Membrane Water Treatment Plant Process Assessment

Globaltech, Inc.

\$86,977

College of Engineering and Computer Science - Civil, Environmental, and Construction Engineering

**Gou, Jihua**

3D Printing of Lung Phantom

SegAna, LLC

\$40,000

College of Engineering and Computer Science - Mechanical and Aerospace Engineering

**Gryglewicz, Kimberley Ann**

Florida Linking Individuals Needing Care

University of South Florida

\$138,269

College of Health and Public Affairs - Social Work

**Gurupur, Varadraj Prabhu**

Building the General Computational Model for Identifying Emotional Behavior

Tenosar Corporation

\$5,000

College of Health and Public Affairs - Health Management and Informatics

**Hamilton, Angela Catherine**

Merging Traffic Startup Support

Merging Traffic

\$150,000

Institute for Simulation and Training - Mixed Emerging Technology Integration Lab

**Hansen, Lynn K. / Georgiopoulos, Michael**

Lockheed Martin College Work Experience Program

Lockheed Martin Corporation

\$84,000

College of Engineering and Computer Science - Deans Office / Student Development and Enrollment Services  
- Career Services and Experiential Learning

**Hoffman, Eric**

Populations Genomics of Striped Newts

Florida Fish and Wildlife Conservation Commission

\$30,000

College of Sciences – Biology

**Hughes, Charles E.**

Towards Automatic Understanding and Recognition of Curiosity in Children

Carnegie Mellon University

\$10,591

College of Engineering and Computer Science - Department of Computer Science

**Lee, Gene H.**

Multi-Resolution Modeling in Weapon System Effectiveness

Ares Co., LTD

\$30,000

College of Engineering and Computer Science - Industrial Engineering and Management Systems

**Lee, Woo Hyoung / Sadmani, A. H. M. Anwar**

Bacterial Enumeration and Bacterial Endotoxin Testing

Mainstream Engineering Corporation

\$7,500

College of Engineering and Computer Science - Civil, Environmental, and Construction Engineering

**Li, Xiaoman**

Epigenetic Regulation of Adipose Tissue Distribution in Women

Florida Hospital

\$57,217

College of Medicine - School of Biomedical Science

**Lyons, Amelia H. / Cheong, Caroline S. / French, Scot Andrew / Gannon, Barbara A. / Giroux, Amy L. / Sacher, John M.**

UCF Florida National Cemetery Project

US Department of Veterans Affairs

\$289,532

College of Arts and Humanities - Arts Dean's Office / College of Arts and Humanities – History

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

2016-2017 Shorebird Monitoring on Mid Reach and South Beaches  
Brevard County Board of Commissioners  
\$1,905  
College of Sciences - Biology

**Martin, Eric D / McIlvaine, Janet R**

Building America Subject Matter Expert Technical Support  
National Renewable Energy Laboratory  
\$300,000  
Florida Solar Energy Center

**Medeiros, Stephen C**

Great Lakes ADCIRC+SWAN Modeling 2  
Stantec, Inc.  
\$2,500  
College of Engineering and Computer Science - Civil, Environmental, and Construction Engineering

**Metzger, Philip Tillman**

The World is Not Enough (WINE): Harvesting Local Resources for Eternal Exploration of Space, Phase II  
Honeybee Robotics, Ltd.  
\$225,000  
Florida Space Institute

**Metzger, Philip Tillman**

Extruded Clay-Based Regoliths for Construction on Mars, Phobos and NEAs  
Deep Space Industries, Inc.  
\$35,685  
Florida Space Institute - Florida Space Institute

**Moreto, William De Jesus**

2016-2017 UCF Student Support for the Orange County Sheriff's Office Criminal Investigation Division  
Orange County Sheriff's Office  
\$72,139  
College of Health and Public Affairs - Criminal Justice

**O'Neal, Thomas P. / Georgiopoulos, Michael**

Central Florida - STEM Training Consortium  
Dicapta  
\$7,500  
College of Engineering and Computer Science - Department of Electrical and Computer Engineering /  
Industrial Engineering and Management Systems - Office of Research and Commercialization

**O'Neal, Thomas P. / Georgiopoulos, Michael**

Central Florida - STEM Training Consortium Internship Funding

AgileSrc, LLC.

\$7,500

College of Engineering and Computer Science - Department of Electrical and Computer Engineering /  
Industrial Engineering and Management Systems - Office of Research and Commercialization

**Richardson, Kathleen A.**

Visible/SWIR Gradient Index (GRIN) Optics

Lockheed Martin Corporation

\$25,000

College of Optics and Photonics - CREOL

**Rohde, Kyle**

Exploiting Fungal Natural Products to Discover Novel Scaffolds That Inhibit Dormant and Drug-Resistant TB )

National Institutes of Health

\$421,503

College of Medicine - School of Biomedical Science - Director Office

**Santra, Swadeshmukul**

Short-Term Evaluation License Agreement

Gowan Company, LLC

\$15,000

College of Sciences - Chemistry / NanoScience Technology Center

**Santra, Dr. Swadeshmukul**

2016 Gowan Co. Patent License Agreement

Gowan Company, LLC

\$8,562

NanoScience Technology Center

**Sarid, Gal**

Carbon Monoxide in Comets

University of South Florida

\$16,117

Florida Space Institute

**Seal, Sudipta**

NASA KSC - Molten Regolith Electrolysis for Advanced Additive Manufacturing

Vencore Services and Solutions, Inc.

\$20,000

Advanced Materials Processing and Analysis Center (AMPAC) - NanoScience Technology Center

**Sherwin, John R**

High Voltage Test Bed for PV Modules

National Renewable Energy Laboratory

\$19,532

Florida Solar Energy Center

**Southwell, Amber Lee**

Ultrasensitive Detection of Huntingtin Protein in Cerebrospinal Fluid  
Huntington's Disease Society of America  
\$93,750  
College of Medicine - School of Biomedical Science

**Sugaya, Kiminobu / Nadimpalli, Ravi**

Antibody Targeting of IL1RAP and Studying their Therapeutic Effects in Mouse Models of Alzheimer's Disease  
Florida Department of Health  
\$100,000  
College of Medicine - School of Biomedical Science

**Sutherland, Karen F. / Martin, Eric D. / Vieira, Robin K. / Withers, Charles R.**

Commercial Buildings Field Studies in Zone 2A  
Institute for Market Transformation  
\$249,999  
Florida Solar Energy Center

**Welch, Greg / Guido-Sanz, Francisco**

A16-076 Augmented/Mixed Reality for Force-on-Force Combat Casualty Care Training  
Soar Technology, Inc.  
\$18,000  
College of Nursing

**Wisniewski, Pamela**

NSF Proposal for Student Travel Grants to Attend the CSCW 2017 Privacy Ethics Workshop  
National Science Foundation  
\$5,000  
College of Engineering and Computer Science - Department of Computer Science

**Zhang, Shaojie**

Computational Methods for Large Scale Genetic Data Analysis  
University of Texas Health Science Center at Houston  
\$33,956  
College of Engineering and Computer Science - Department of Computer Science