



UNIVERSITY OF  
CENTRAL FLORIDA

## Monthly New Awards - January 2018

### **Ahmed, Kareem A. / Vasu Sumathi, Subith**

Advanced Cost-effective Coal-Fired Rotating Detonation Combustor for High Efficiency Power Generation

US Department of Energy/National Energy Technology Laboratory

\$999,914

College of Engineering and Computer Science - Center for Advanced Turbomachinery and Energy Research (CATER) - Mechanical and Aerospace Engineering

### **Beidel, Deborah Casamassa**

UCF LBR - UCF Restores - PTSD Clinic for Florida Veterans and First Responders

State of Florida

\$1,500,000

College of Sciences – Psychology

### **Choi, Eunice M.**

2018 Small Business Development Center

University of West Florida

\$837,041

Office of Research and Commercialization - Small Business Development Center

### **Choi, Eunice M.**

SBDC Advisory Board Council (2016-2017)

Orange County Board of Commissioners

\$102,000

Office of Research and Commercialization - Small Business Development Center

### **Choi, Eunice M.**

SBDC (2017-2018)

Orange County Board of Commissioners

\$102,000

Office of Research and Commercialization - Small Business Development Center

### **Dove, Adrienne Rathert**

Phase II Plasma Charging Study, High Speed Data Acquisition System

a. i. solutions, Inc.

\$49,783

College of Sciences – Physics

College of Engineering and Computer Science - Mechanical and Aerospace Engineering

**Emrich, Christopher**

Impact and Unmet Needs Assessment - Irma & Maria

Florida Department of Economic Opportunity

\$32,947

College of Health and Public Affairs - Public Administration / Faculty Cluster Initiative - Sustainable Coastal Systems

**Emrich, Christopher**

Services Agreement for Mapping of Social Vulnerability Index for Hurricane Harvey

OXFAM America

\$14,040

College of Health and Public Affairs - Public Administration / Faculty Cluster Initiative - Sustainable Coastal Systems

**Fisher, Kristina Kay**

Justice and Mental Health Collaboration Program

Seminole County Sheriff's Office

\$43,220

College of Health and Public Affairs - Criminal Justice

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

Disney-UCF Lifelong Learning Program: Deep Learning Intrapreneurship Pilot

Walt Disney Attractions, Inc. (Disney)

\$397,479

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

**Gaume, Romain**

Optical Ceramic Science for High-Power Lasers

U.S. Air Force Office of Scientific Research

\$390,000

College of Optics and Photonics - CREOL

**Georgiopoulos, Michael**

FLIT-YES: BBA

BBA Aviaton USA Inc.

\$10,000

College of Engineering and Computer Science

**Georgiopoulos, Michael**

FLIT-YES: Dicapta

Dicapta

\$10,000

College of Engineering and Computer Science

**Georgiopoulos, Michael**

FLIT-YES: VGlobal

VGlobalTech

\$7,259

College of Engineering and Computer Science

**Gu, Lixing**

EnergyPlus Whole-Building Modeling and Simulation Software Development Task 4.1.1

National Renewable Energy Laboratory

\$60,000

Florida Solar Energy Center

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

Handoffs for Joint Service Casualty Care

Soar Technology, Inc.

\$59,763

College of Nursing

**Hara, Tadayuki**

Japanese Government Advisory to Egyptian Government in Tourism Planning

Ministry of Foreign Affairs of Japan

\$2,000

Rosen College of Hospitality Management - Dick Pope, Sr. Institute

**Hofler, Richard A.**

A Novel Pregnancy Prevention Intervention for Latina Middle School Girls

University of Miami

\$103,740

Business Administration – Economics

**Kwok, Ka Wai**

Viscoelastic Modeling and Characterization of Thin-Ply Composites

NASA Shared Services Center

\$80,178

College of Engineering and Computer Science - Mechanical and Aerospace Engineering

**Liu, Fei**

Automatic Text Summarization Using Deep Neural Networks

Bosch Research

\$22,300

College of Engineering and Computer Science - Department of Computer Science

**Mansy, Hansen**

A Device for Monitoring Heart Failure Patients

Biomedical Acoustics Research Company

\$535,764

College of Engineering and Computer Science - Mechanical and Aerospace Engineering

**McClellan, Tammie L.**

SISO 2018

Simulation Interoperability Standards Organization, Inc. (SISO)

\$129,324

Institute for Simulation and Training

**Moreto, William De Jesus**

2017-2018 UCF Student Support for the Orange County Sheriff's Office

Orange County Sheriff's Office

\$69,312

College of Health and Public Affairs - Criminal Justice

**Mousseau, Demet**

The Victimization and Human Rights Violations of Women and Children in Kurdish Conflict in Turkey

Gerda Henkel Stiftung

\$28,244

College of Sciences - Political Science

**Oloufa, Amr A.**

Effect of Real-time Traffic Data on Truck Diversion Routing on I-75

Florida Department of Transportation

\$249,285

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

**O'Neal, Thomas P.**

FL Virtual Entrepreneur Center (2017-2018)

Orange County Board of Commissioners

\$7,500

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

**Pourmohammadi Fallah, Yaser**

C-V2X Scalability Simulation Study

Ford Motor Company

\$105,338

College of Engineering and Computer Science - Department of Electrical and Computer Engineering

**Schoenfeld, Winston V.**

Ultraviolet III-Nitride Avalanche Photodiodes formed by a Selective HfN Substrate Release Layer

Lightwave Photonics, Inc.

\$45,000

College of Optics and Photonics

**Seal, Sudipta**

Northrop Grumman Collaboration-University Industrial Affiliations Program

Northrop Grumman Corporation

\$15,000

Advanced Materials Processing and Analysis Center / College of Engineering and Computer Science -  
Materials Science and Engineering

**Shah, Dr. Mubarak A. / Butler, Malcolm B. / Catbas, Fikret N. / Chavis, Gordon / Da Vitoria Lobo, Niels J.  
/ Gordon, Ali P. / Moore, Brian / Rahnavard, Nazanin**

STEM Transfer Students Opportunity for Nurtured Growth (STRONG)

National Science Foundation

\$999,994

Center for Research in Computer Vision / College of Education and Human Performance - School of  
Teaching, Learning and Leadership / College of Engineering and Computer Science - Civil,  
Environmental, and Construction Engineering - Department of Computer Science - Department of  
Electrical and Computer Engineering - Mechanical and Aerospace Engineering / College of Sciences -  
Mathematics / Student Development and Enrollment Services - VP Division of Operations

**Shah, Mubarak A. / Qj, GuoJun / Rahnavard, Nazanin**

Subcontract on Deep Intermodal Video Analytics (DIVA)

University of Maryland/College Park

\$576,000

Center for Research in Computer Vision / College of Engineering and Computer Science - Department  
of Computer Science - Department of Electrical and Computer Engineering

**Singla, Dinender Kumar**

Amelioration of Doxorubicin Induced Muscle Dysfunction with Embryonic Stem Cells-Derived  
Exosomes

National Cancer Institute

\$557,264

College of Medicine - School of Biomedical Science

**Snaith, Sean**

Institute for Economic Competitiveness (2017-2018)

Orange County Board of Commissioners

\$204,000

Business Administration - Institute for Economic Competitiveness

**Thomas, Jayan**

Supercapacitors for Power Supplies

National Collegiate Inventors and Innovators Alliance

\$20,000

NanoScience Technology Center

**Toyne, Jennifer Marla**

Stable Isotope Analysis

Various

\$2,641

College of Sciences - Anthropology

**Vasu Sumathi, Subith**

Chemical Kinetic Pathway Effects in Turbulent Reacting Flows

Reaction Systems, Inc.

\$250,000

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

**Wang, Liqiang**

DURIP: Efficient Hierarchical Big Data Computing System

Office of Naval Research

\$154,184

College of Engineering and Computer Science - Department of Computer Science

**Wisniewski, Pamela**

Usability Testing for Bogen Communications, Inc.

Bogen Communications, Inc.

\$22,370

College of Engineering and Computer Science - Department of Computer Science

**Zhang, Shaojie**

RESULTS: Reverse Engineering Solutions on Ubiquitous Logic for Trustworthiness and Security

University of Florida Board of Trustees

\$220,000

College of Engineering and Computer Science - Department of Computer Science