Monthly New Awards – February 2019

Ahn, Kollbe
Mussel-inspired Glue for Ophthalmology
Cottage Health Research Institute
$28,236
College of Sciences

Azevedo, Roger
Diagnostic Inventories of Cognition in Education
The Board of Regents of the University System of Georgia by and on behalf of the University of Georgia
$182,015
College of Community Innovation and Education

Bagci, Ulas
Intelligent Support System for Automated Diagnosis and Management of Pancreatic Cystic Tumors
Mayo Clinic
$76,775
Center for Research in Computer Vision

Branting, Scott / Langis-Barsetti, Dominique / Lehner, Joseph William / Robkin, Jessica
Kerkenes Project 2019
The Merops Foundation
$38,500
College of Sciences

Brisset, Julie Carine Margaret
Dust In-situ Manipulation System
NASA Shared Services Center
$249,409
Florida Space Institute

Chambers, Lisa
Assessing the Effectiveness of Dry-Down to Reduce Soil Elevation in a Treatment Wetland
City of Orlando
$34,980
College of Sciences

Cho, Hyoung Jin
Junction variation-based sensors for breath analyzers
Sentech Korea Corp
$49,803
College of Engineering and Computer Science
Christodoulides, Demetrios N. / Khajavikhan, Mercedeh / Moharam, M. Gamal
Programmable Universal Multifunctional Apertures
Regents of The University of California
$74,577
College of Optics and Photonics

Dechev, Damian
Transactional Lock-free Data Structures
National Science Foundation
$27,472
College of Engineering and Computer Science

Edwards, Joellen
Persistence of Physical Activity Among Veterans Project Narrative
UCF Foundation, Inc
$1,000
College of Nursing

Edwards, Joellen
Practice Patterns of Nurse Practitioners Related to Weight Management
UCF Foundation, Inc
$1,000
College of Nursing

Gu, Lixing
EnergyPlus 10x Challenge
Regents of The University of California
$30,000
Florida Solar Energy Center

Hoffman, Phil
Corporation for Public Broadcasting
$94,240
Division of Strategy, Marketing, Communications, and Admissions

King, Kathleen P.
Phase I: Peer Review Skills: Program Managers, Agencies and training
Oak Ridge Associated Universities
$619
College of Community Innovation and Education

Klemm, Richard A.
Superconducting THz sources and receivers
Tristan Technologies, Inc.
$9,998
College of Sciences

Knox, Claire C.
Resilient Planning for the Future of the City of Rockledge
East Central Florida Regional Planning Council
$11,000
College of Community Innovation and Education
**Kwun, David Joon Wuk / Hara, Tadayuki / Kang, Juhee**  
Consumers’ Perceptions on Japanese Ryokan in the US  
Hoshino Resorts Inc.  
$10,000  
Rosen College of Hospitality Management

**Mahalanobis, Abhijit**  
Target Detection and Recognition Capability with Low False Alarm Rate with Reduced Training Labels  
DRS Network & Imaging Systems, LLC  
$99,934  
Center for Research in Computer Vision

**Mahalanobis, Abhijit**  
Node and Signal Graph detection in support of Multi-Source Activity Graph Latent Uncovering & Merging  
Lockheed Martin Corporation  
$50,000  
Center for Research in Computer Vision

**Mahalanobis, Abhijit**  
Wide Field of View - Flexible Foveation/Imaging  
Lockheed Martin Missiles and Fire Control  
$40,000  
Center for Research in Computer Vision

**McClellan, Tammie L.**  
SISO 2019  
Simulation Interoperability Standards Organization, Inc.  
$130,867  
Institute for Simulation and Training

**McClellan, Tammie L.**  
Desert Research Institute Service Agreement for Customization and Modifications to the Employee Management Software  
Desert Research Institute  
$21,968  
Institute for Simulation and Training

**Moreto, William De Jesus**  
2018-2019 UCF Student Support for the Orange County Sheriff’s Office  
Orange County Sheriff’s Office  
$69,312  
College of Community Innovation and Education

**Mosher, Matthew**  
Sentinels  
Puffin Foundation West, Ltd  
$1,500  
College of Arts and Humanities
Neupane, Madhab
Correlated topological phases in rare-earth-based compounds
National Science Foundation
$550,000
College of Sciences

O'Neal, Thomas P.
UCF Business Incubator - Apopka
City of Apopka
$180,000
Center for Innovation and Entrepreneurship

Pasarica, Magdalena
Developing and optimizing a practical obesity course for medical providers MetaboLogix, LLC
$3,500
College of Medicine

Periasamy, Muthu
Recruitment of Skeletal Muscle Based on Non-shivering Thermogenesis in Health and Disease
National Institutes of Health
$140,796
College of Medicine

Pourmohammadi Fallah, Yaser
Cooperative Cognition for Connected and Automated Vehicles: Feature Sharing in Deep Networks
Toyota InfoTechnology Center Co, Ltd.
$60,000
College of Engineering and Computer Science

Roy, Tania
Scalable monolithic integration of Graphene/MoS2/Graphene artificial neurons and synapses for accelerated machine learning
National Science Foundation
$299,864
NanoScience Technology Center

Simms-Cendan, Judith Seline / Peralta, Heather Jo
UCF Comprehensive Medical Care Outreach - Apopka Community Clinic
Florida Blue Foundation
$35,000
College of Medicine

Singh, Arvind Kumar
Collaborative Research: From Surface Dynamics to Strata: Quantifying the Signals of Surface Processes in Space and Time
National Science Foundation
$71,502
College of Engineering and Computer Science
Sohn, Yongho
Microstructural Analysis of Inconel 625 Produced by Selective Laser Melting for Aerospace Applications
Aerojet Rocketdyne, Inc.
$30,000
Advanced Materials Processing and Analysis Center

Solihin, Yan
Recomputation-Based Checkpointing for Sparse Matrices
National Science Foundation
$236,234
College of Engineering and Computer Science

Song, Zixia
The 31st Cumberland Conference on Combinatorics, Graph Theory and Computing
National Science Foundation
$16,000
College of Sciences

Tetard, Laurene
Instrumental Development of Plasmonic-Assisted Nanomechanical Detection for Polarized Spectroscopy and Imaging
National Science Foundation
$139,676
NanoScience Technology Center

Towne, Samuel Dominic Castiglione
Physical Activity Impacts of a Planned Activity-Friendly Community: The What, Where, When and Why of Environmental Approaches to Obesity Prevention
Texas A&M University System
$30,447
College of Community Innovation and Education

Towson, Jacqueline Anne / Macy, Marisa Angela
100 Women Strong Proposal
Central Florida Foundation
$61,236
College of Health Professions and Sciences

Turgut, Damla / Boloni, Ladislau / Bruder, Gerd / Cho, Hyoun Jung / Dickerson, Andrew K. / Hasan, Samiul / Massi, Lisa G. / Welch, Greg / Zhou, Qun
Research Experiences for Undergraduates Site on Internet of Things
National Science Foundation
$323,945
College of Engineering and Computer Science / College of Nursing / Institute for Simulation and Training

Yu, Xiaoming
Scalable Nanolithography Using Ultrashort Laser Pulse Trains Enabled by Avalanche-Assisted Photoabsorption
National Science Foundation
$500,000
College of Optics and Photonics
Yun, Hae-Bum
A Literature Study of Autonomous Pavement Distress Evaluation
Seojin Construction Company, LTD
$5,000
College of Engineering and Computer Science