



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, Hyoung Jin / 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