Monthly New Awards - April 2019

Anderson, Kim Marie
A Research Study Evaluating the Impact of PJ Academy on K-12 Teachers
Valencia College
$10,000
College of Community Innovation and Education

Arboleda, Luis
Effects of Pre-Excavation Activities on the Performance of Urban Cofferdams
California State University, Long Beach
$14,453
College of Engineering and Computer Science

Arboleda, Luis / NAM, Boo Hyun
Prediction Model of Vibration-Induced Settlement due to Pile Driving
Florida Department of Transportation
$248,187
College of Engineering and Computer Science

Awad, Amro J. / Lin, Mingjie
Novel Hardware-Support for Ensuring Confidentiality and Integrity on Emerging Non-Volatile Memories
Naval Information Warfare Center Pacific
$81,410
College of Engineering and Computer Science

Bagci, Ulas
Dynamic PET imaging in skeletal muscle and adipose tissue to explore mechanisms of lower peripheral glucose uptake in African American Women
Adventist Health System
$21,507
Center for Research in Computer Vision

Banerjee, Parag
Unraveling the mechanism of diamond coated wire sawing of silicon ingots
National Science Foundation
$84,000
College of Engineering and Computer Science

Beazley, Melanie J.
Orange County Environmental Water Study 2019
Orange County Board of County Commissioners
$6,600
College of Sciences
**Bennett, Christopher / Ishigami, Masa**
Electron-Sputtering Yields from Icy Surfaces: A Pilot Study
NASA Shared Services Center
$194,161
College of Sciences

**Bohlen, Patrick J.**
Replacement of Suitable Trees for Hurricane Preparedness
Florida Department of Agriculture and Consumer Services
$7,416
College of Sciences

**Bourgault, Annette M.**
SAFETY Study: Stop Auscultation of Feeding Tubes
UCF Foundation, Inc
$500
College of Nursing

**Brunell, Mary Lou F.**
Brunell FL DOH Nursing Donations 2
Florida Department of Health
$3,363
College of Health Professions and Sciences

**Chang, Zenghu**
Single-cycle, carrier-envelope phase locked lasers at 8 micron
US Army Contracting Command
$358,305
College of Optics and Photonics

**Chen, Bo**
Structural basis of the protonic conductivity of reflectin assembly
Regents of The University of California, The
$66,000
College of Sciences

**Cook, Christa Louise**
HIV Surveillance - Data Analysis
University of Florida Board of Trustees
$17,928
College of Nursing

**Dobson, Doug / McVey, Valerie Friedman / Renihan, Peggy Ann**
Guardians of Democracy Project: Civics Professional Development Course Series
Robert R McCormick Foundation
$178,000
College of Sciences
Dong, Yajie
Flexible Quantum Dot Light Emitting Devices for Photodynamic Therapy and Photobiomodulation
QLEDCures LLC
$90,000
NanoScience Technology Center

Ge, Yue
Socioeconomic Impacts of the Satellite Enhanced Snowmelt Flood Predictions in the Red River of the North Basin
University of New Hampshire
$13,231
College of Community Innovation and Education

Gurupur, Varadraj Prabhu
National I-Corps Program: Analyzing Data Completeness and Inconsistency to Reduce Misdiagnosis and Mitigate Re-imbursement Errors
National Science Foundation
$50,000
College of Community Innovation and Education

Harmon, Kylie Kristafer / Stock, Matt S.
Project MNOP (Mirror Neurons in Older Participants): Acute effects of action observation on muscle strength/Weakness and neurophysiological factors in older adults
Learning Institute for Elders, The
$5,500
College of Health Professions and Sciences

Hoffman, Phil
WUCF: Be My Neighbor Day 2020
The Fred Rogers Company
$10,000
Division of Strategy, Marketing, Communications, and Admissions – WUCF

Jha, Sumit K.
Verifying Identity via Automated Synthesis of Patterns of Life Queries
Royal Bank of Canada
$100,000
College of Engineering and Computer Science

Jha, Sumit K.
Automatic Synthesis of Approximate Models for Analysis of Hardware Systems
Griffiss Institute, Inc.
$9,988
College of Engineering and Computer Science

Kapat, Jayanta S.
Internship and Student Training of a Graduate Student on Aerodynamic Aspects of Multi-Functional Tunable Structures
Siemens Canada Ltd
$25,900
College of Engineering and Computer Science
Kettles, Colleen M.
City of New Smyrna Beach Solar Feasibility Assessment Request for Quote
City of New Smyrna Beach
$24,997
Florida Solar Energy Center

Kinchen, Elizabeth V.
Exploration of Patient and Practitioner Experiences, Knowledge and Understanding of Shared Decision Making
UCF Foundation, Inc
$2,000
College of Nursing

Kourova, Alla V.
STARTALK 2019: Where East Meets West
National Security Agency
$90,000
College of Arts and Humanities

Lamanna, Jacqueline M. / Anderson, Mindi A. / Eckhoff, Dawn
Educating the Next Generation of Nurse Practitioners in Gerontology Using Telehealth Robots: A Mixed Methods Feasibility Study
Learning Institute for Elders, The
$3,970
College of Nursing

Lindsay, Boyd D.
NSOC Speech Program - 2
The McGraw-Hill Companies, Inc.
$4,758
College of Sciences

Liu, Fei
Towards Abstractive Summerization That Preserves Original Meanings
Tencent America, LLC
$50,000
College of Engineering and Computer Science

Lyakh, Arkadiy
Fundamental Study on Catastrophic Optical Damage Mechanism for High Power Quantum Cascade Lasers
US Air Force Office of Scientific Research
$557,431
NanoScience Technology Center

Lyons, Amelia H. / Cheong, Caroline S. / French, Scot Andrew / Gannon, Barbara A. / Giroux, Amy L. / Rivera, Tiffany Carper / Sacher, John M.
2019 Veterans Legacy Program
US Department of Veterans Affairs
$295,802
College of Arts and Humanities
Mansfield, Katherine / Seney, Erin E.
Monitoring Marine Turtles at Trident Basin and Patrick Airforce Base
US Fish and Wildlife Service
$66,962
College of Sciences

Mitchell, Meghan Marie
Canadian Institute for Public Safety Research and Treatment
Memorial University of Newfoundland
$8,000
College of Community Innovation and Education

Ng, Boon Peng / Thiamwong, Ladda
Examine the characteristics, health and economic burdens of perceived fall risk and physiological fall risk assessments among racial/ethnic older US adults
Learning Institute for Elders, The
$3,780
College of Nursing

Perotti, Luigi Emanuele
Defining and Measuring Diastolic Myocardial Kinematics and Stiffness
National Heart, Lung, and Blood Institute
$161,852
College of Engineering and Computer Science

Qu, Zhihua
JST-NSF-RCN Joint International Workshop on Distributed Energy Management Systems
National Science Foundation
$49,900
College of Engineering and Computer Science

Raustad, Richard A.
PG&E Support for VRF Performance Assessment and Computer Modeling
2050 Partners Inc
$840
Florida Solar Energy Center

Richie, Samuel M.
ECE I-Design Program / 2019
Various
$2,141
College of Engineering and Computer Science

Schepler, Kenneth / Richardson, Kathleen A. / Richardson, Martin C.
Iron Fiber Laser
US Air Force Office of Scientific Research
$796,032
College of Optics and Photonics
Smith, Daniel J.
Identifying Florida panthers and other wildlife using a deep convolutional neural network
Florida Fish and Wildlife Conservation Commission
$15,400
College of Sciences

Sohn, Yongho
Additive Manufacturing of Metallic Alloys for Nuclear Materials and Technology
Battelle Energy Alliance, LLC (BEA)/Idaho National Laboratory
$288,568
Advanced Materials Processing and Analysis Center

Sohn, Yongho
Microstructure Development in Cu-Cr-Zr Alloy: Laser Cladding and Powder Bed Fusion
Research Institute of Industrial Science and Technology
$30,000
Advanced Materials Processing and Analysis Center

Southwell, Amber Lee
Investigating the effects of systemic huntingtin lowering in Hu97/18 mice and primary neurons
Skyhawk Therapeutics, Inc.
$120,598
College of Medicine

Wahid, Parveen F.
Central FL NCWIT Aspirations in Computing Awards 2
Various
$1
College of Engineering and Computer Science

Wahid, Parveen F. / Chaudhry, Shafaq B.
Central FL NCWIT Aspirations in Computing 2019
National Center for Women & Information Technology
$1
College of Engineering and Computer Science

Xia, Xugang / Zhou, Hongxia
Study on PFN1 Pathobiology Using Rat Models
National Institute of Neurological Disorders and Stroke
$589,651
College of Medicine

Yestrebsky, Cherie L.
Analysis of Lunar Volatiles via GC/MS System for Lunar Ops
NASA Kennedy Space Center
$164,004
College of Sciences
**Young, Beth R. / Giroux, Amy L. / Mathes, Carmen Faye**
National Endowment for the Humanities
$349,521
College of Arts and Humanities

**Zhou, Qun / Qu, Zhihua**
Siemens Partnership Proposal: Data Analytics Lab Project
Siemens Industry
$100,000
College of Engineering and Computer Science

**Zhou, Qun / Qu, Zhihua**
Siemens Partnership Proposal: Autonomous Building Project
Siemens Industry
$100,000
College of Engineering and Computer Science

**Zhou, Qun / Qu, Zhihua**
Siemens Partnership Proposal: Electric Grid Data Integration & Support
Siemens Industry
$100,000
College of Engineering and Computer Science