Sponsored Awards - September 2016

Ahmed, Kareem A / Lyakh, Arkadiy / Vasu Sumathi, Subith
Spatiotemporally Resolved Infrared Spectroscopy in High-Pressure Turbulent Combustors (ID: 1060848)
Truventic LLC
$75,067
College of Engineering and Computer Science (CECS) - Center for Advanced Turbomachinery and Energy Research (CATER) / NanoScience Technology Center - NanoScience Technology Center

Al-Deek, Dr. Haitham M
DEPLOYMENT AND EVALUATION OF WRONG-WAY DRIVING (WWD) COUNTERMEASURES FOR THE FLORIDA TURNPIKE ENTERPRISE TOLL ROAD SYSTEM, PHASE-2 STUDY (ID: 1060599)
Florida Department of Transportation (FDOT)
$200,759
College of Engineering and Computer Science (CECS) - Civil, Environmental, and Construction Engineering

Argenti, Luca
Theoretical atomic attosecond spectroscopy: Monitor and control of electron correlation in real time (ID: 1059655)
National Science Foundation (NSF)
$288,062
College of Sciences – Physics

Boginski, Vladimir
Modeling and Optimization of Networked Systems in Contested Environments (ID: 1060892)
US Air Force Research Laboratory (AFRL)
$2,199,022
College of Engineering and Computer Science (CECS) - Industrial Engineering and Management Systems

Bridge, Candice M
Characterization of personal and condom lubricants using DART-TOFMS and comprehensive-GC-MS (ID: 1060202)
US Department of Justice
$50,000
College of Sciences - National Center for Forensic Science

Chambers, Lisa
Quantifying and Characterizing the Mississippi River’s Contribution of Microplastics to the Gulf of Mexico (ID: 1059352)
Texas A&M International University
$5,824
College of Sciences – Biology

Chavis, Dr. Gordon
2016-2017 Florida Education Fund-McKnight Center of Excellence (ID: 1061103)
Florida Education Fund
$26,000
Student Development and Enrollment Services - VP Division of Operations

Chernyak, Dr. Leonid / Flitsian, Dr. Elena / Gaume, Dr. Romain / Gesquiere, Dr. Andre J / Kik, Dr. Pieter G / Kolpashchikov, Dr. Dmitry M
MRI: Acquisition of a Cathodoluminescence Microscope for Device Testing, Materials Research and Education (ID: 1060172)
National Science Foundation (NSF)
$1,050,000
College of Optics and Photonics - CREOL / College of Sciences - Chemistry / College of Sciences - Physics / NanoScience Technology Center - NanoScience Technology Center

Chini, Jacquelyn J / Vasquez, Dr. Eleazar / Yestrebsky, Dr. Cherie L
ACCESSSS: Adapting Collaborative Classrooms to Equally Support Science Students (ID: 1059641)
National Science Foundation (NSF)
$299,930
College of Education and Human Performance - Child, Family and Community Sciences / College of Sciences - Chemistry / College of Sciences - Physics

Cho, Dr. HyoYoung Jin / Abdolvand, Dr. Reza / Dagley, Dr. Melissa D / Dechev, Dr. Damian / Gou, Dr. Jihua / Jin, Dr. Yer / Lee, Dr. Woo Hyung / Lin, Dr. Mingjye / Turgut, Dr. Damla / Vasquez, Dr. Eleazar
RET Site: Collaborative Multidisciplinary Engineering Design Experiences for Teachers (CoMET) (ID: 1059579)
National Science Foundation (NSF)
$595,702
College of Education and Human Performance - Child, Family and Community Sciences / College of Engineering and Computer Science (CECS) - Civil, Environmental, and Construction Engineering / College of Engineering and Computer Science (CECS) - Department of Computer Science / College of Engineering and Computer Science (CECS) - Department of Electrical and Computer Engineering / College of Engineering and Computer Science (CECS) - In Science Technology Engineering and Math (iSTEM) / College of Engineering and Computer Science (CECS) - Mechanical and Aerospace Engineering / College of Sciences - College of Science Dean's Office

Choi, Mrs. Eun M
Sumter County SBDC (ID: 1061328)
Sumter County Board of County Commissioners
$75,000
Office of Research and Commercialization - Small Business Development Center (SBDC)

Chow, Dr. Louis C
Collaborative Research: Enhanced Adsorption Cooling with Monolithic Nanoporous Adsorbents (ID: 1059498)
National Science Foundation (NSF)
$149,775
College of Engineering and Computer Science (CECS) - Mechanical and Aerospace Engineering

Crabbs, Mr. Robert F / Delfyett, Dr. Peter J
RF: Tracker System (ID: 1061450)
Various
$5,000
College of Optics and Photonics - CREOL
Fernandez, Dr. Yanga R
Investigating the Nature of Cometary Activity Through Thermophysical Modeling (ID: 1060278)
NASA Shared Services Center (NSSC)
$30,000
College of Sciences – Physics

Fernandez, Dr. Yanga R
MESSENGER’s special delivery: Serendipitous comet science from the inner Solar System (ID: 1059565)
Johns Hopkins University Applied Physics Laboratory (JHU/APL)
$60,445
College of Sciences – Physics

Goldiez, Dr. Brian F / Caulkins, Dr. Bruce Donald / Martin, Dr. Glenn A / Plamondon, Mr. Brian D / Wiegand, Dr. Rudolf Paul
ENHANCING THE INTEGRATED TRAINING ENVIRONMENT (ITE) (ID: 1061069)
Battelle Memorial Institute
$554,948
Institute for Simulation and Training (IST) - Interactive Realities Lab / Institute for Simulation and Training (IST) - IST / Institute for Simulation and Training (IST) - Simulation and Training Technology Center

Hernandez, Caridad
RF: The Chapman Humanism in Medicine Initiative (ID: 1061385)
UCF Foundation, Inc
$7,598
College of Medicine - Internal Medicine

Ishigami, Dr. Masa
Scanning probe microscopy of molecules (proprietary) on atomically-prepared surfaces (ID: 1061083)
High Precision Lithography Corporation
$39,559
College of Sciences - Physics / NanoScience Technology Center - NanoScience Technology Center

Katsevich, Dr. Alexander I / Pang, Shuo / Tovbis, Dr. Alexander
Hilbert transform with incomplete data and applications in Tomography and Optics (ID: 1060052)
National Science Foundation (NSF)
$335,000
College of Optics and Photonics - CREOL / College of Sciences – Mathematics

Khaled, Dr. Annette
RF: Development of a Cytoskeletal-Disrupting Approach for the Treatment of Metastatic Breast Cancer (ID: 1060837)
Breast Cancer Research Foundation
$250,000
Burnett School of Biomedical Sciences - School of Biomedical Science - Director Office

LaViola II, Dr. Joseph J / Butler, Dr. Malcolm B. / Welch, Dr. Greg
RF: Improving Augmented Reality Technologies for Training and Education (ID: 1060047)
Lockheed Martin Corporation
Metcalf, Dr. David S
RF: IQ Orlando Digital Health Innovation Management (ID: 1061414)
IQ Orlando, LLC
$37,000
Institute for Simulation and Training (IST) - IST

Michaelson, Teresa / Hofmann, Karen R
2015 Campus Suicide Prevention Grant - Healhty Knights (ID: 1058613)
Substance Abuse and Mental Health Services Administration (SAMHSA)
$305,999
Student Development and Enrollment Services - Counseling Center

Parkinson, Dr. Christopher L
Collaborative Research:Dimensions US-BIOTA-Sao Paulo: Scales of Biodiversity - Integrated studies of snake venom evolution and function across multiple levels of diversity (ID: 1060528)
National Science Foundation (NSF)
$557,120
College of Sciences - Biology

Phanstiel, Dr. Otto
Targeting Increased Polyamine Transport of Resistant Melanomas (ID: 1059224)
Lankenau Institute for Medical Research
$100,000
College of Medicine - Medical Education

Priest, Ms. DeLaine D
Office of Postsecondary Education (OPE): Talent Search Program Colonial (ID: 1060378)
US Department of Education
$1,200,000
Student Development and Enrollment Services - VP Division of Operations

Regalla, Michele
RF: Foreign Language and Learning For All (ID: 1060447)
Caplan Foundation for Early Childhood
$70,942
College of Education and Human Performance - School of Teaching, Learning and Leadership

Reinhart, Dr. Debra R
Educating Future Solid Waste Professionals: Development of Educational Modules for Use in Undergraduate and Graduate Solid Waste Courses (ID: 1060918)
Environmental Research and Education Foundation
$19,424
College of Engineering and Computer Science (CECS) - Civil, Environmental, and Construction Engineering

Schelling, Dr. Patrick K / Dove, Adrienne Rathert
$100,000
College of Education and Human Performance - School of Teaching, Learning and Leadership / College of Engineering and Computer Science (CECS) - Department of Computer Science / College of Nursing - Nursing
Physical properties and collisional dynamics of dust grain aggregates elucidated at the atomic scale (ID: 1060046)
National Science Foundation (NSF)
$382,865
Advanced Materials Processing and Analysis Center (AMPAC) / College of Sciences – Physics

Schepler, Kenneth / Abouraddy, Dr. Ayman / Shah, Dr. Lawrence
RF: Evaluation of the optical and mechanical properties of chalcogenide fiber (ID: 1061225)
Lockheed Martin Corporation
$75,000
College of Optics and Photonics - CREOL

Seal, Dr. Sudipta / Seal, Dr. Sudipta
NanoCeria and Nicotine in Human Dopaminergic Neuronal Cells: Mechanisms of Neurotoxicity/Neuroprotection (ID: 1061388)
US Food and Drug Administration (FDA)
$25,000
Advanced Materials Processing and Analysis Center (AMPAC) / NanoScience Technology Center - NanoScience Technology Center

Shah, Dr. Mubarak A
Moving target detection and tracking (MTDAt) (ID: 1061107)
Lockheed Martin Corporation
$99,000
Center for Research in Computer Vision (CRCV) - CRCV

Sonne, Mr. Jeffrey K / Fairey, Mr. Philip W
Lennar Ventures PPA Analysis (ID: 1061214)
Lennar Ventures
$9,992
Florida Solar Energy Center (FSEC) - FSEC

Steward, Robert
Endothelial Cell Mechanical Dysfunction in Early Stage Atherosclerosis (ID: 1058996)
National Heart, Lung, and Blood Institute (NHLBI)
$736,830
Burnett School of Biomedical Sciences - School of Biomedical Science - Director Office / College of Engineering and Computer Science (CECS) - Mechanical and Aerospace Engineering / College of Medicine - Medicine Dean's Office

Turgut, Dr. Damla
Alternative Methods for Peer-to-Peer Mobile Communication in a High-latency Environment (ID: 1061243)
Career Soft LLC
$27,800
College of Engineering and Computer Science (CECS) - Department of Computer Science

Vaidyanathan, Dr. Rajan
NASA SBIR Phase I: Shape memory alloy coupling seal (ID: 1061238)
Altius Space Machines, Inc.  
$31,000
Advanced Materials Processing and Analysis Center (AMPAC) - Advanced Materials Processing and Analysis Center (AMPAC)

Vieira, Mr. Robin K / Nigusse, Dr. Bereket A  
Comparison of the 2017 Florida Building Energy Code with IECC 2015 & ASHRAE 90. 1-2013 (ID: 1061046)  
Florida Department of Business and Professional Regulation  
$20,135
Florida Solar Energy Center (FSEC) - FSEC

VonHolle, Dr. Mary B / Weishampel, Dr. John F  
Investigate effects of sea level rise to enhance management of sea turtle nesting in SERO National Parks. (ID: 1053331)  
US Department of Interior/National Park Service  
$48,437
College of Sciences – Biology

Walters, Dr. Linda J  
Brevard County Shoreline Mapping (ID: 1060631)  
Brevard County Board of Commissioners  
$15,000
College of Sciences - Biology

Wang, Dr. Dingbao  
Shallow and Deep Groundwater Representation in the IMPACT Global Hydrological Model (ID: 1061038)  
International Food Policy Research Institute (IFPRI)  
$10,633
College of Engineering and Computer Science (CECS) - Civil, Environmental, and Construction Engineering

Weishampel, Dr. John F  
NSF Graduate Research Fellowship Program (GRFP) Parent Account (2016 - 2021) (ID: 1061295)  
National Science Foundation (NSF)  
$322,000
Graduate Studies - Graduate Studies

Zhai, Dr. Lei  
RF: TTO Electrodes Materials based on Graphene Aerogels (ID: 1061413)  
HyCarb, Inc.  
$10,275
NanoScience Technology Center - NanoScience Technology Center