



Monthly New Awards – October 2021

Ahmed, Kareem

High-Performance Solid-Fuels for Hypersonic Air Breathing Propulsion
Texas A&M Engineering Experiment Station
\$500,000
College Of Engineering and Computer Science

Almagro-Moreno, Salvador

The Role of Type VI Secretion in Cholera Pathogenesis
Research Foundation of CUNY
\$89,791
College of Medicine

Andl, Thomas

Reprogramming of the Stromal Microenvironment in Melanoma Progression and Therapeutic Escape
University of Cincinnati
\$20,806
College of Medicine

Bandres, Miguel | Amezcua Correa, Rodrigo

Optical Fiber Module Characterization
Carterra
\$10,000
College of Optics and Photonics

Bernath, Robert

L3 Advanced Laser Systems Technologies Test Support
L3 Technologies
\$32,126
Office of Research

Chambers, Lisa

Proposed Cooperative Agreement for Evaluating Mineral Associated Blue Carbon Accumulation in Coastal Wetlands
U.S. Army Corps of Engineers
\$139,946
College of Sciences

Christodoulides, Demetrios

Self-Generated Spatiotemporal Nanostructuring of Laser Light Applied to Energy Transport Via Configurable Guiding Networks in Nanophotonics, Solids, And Soft Matter
Texas A&M University
\$33,836
College of Optics and Photonics

Concha, Maritza

Participatory Design of An Artificial Intelligent Digital Assistant to Improve Shared Decision Making for African American Men
Central Florida Pharmacy Council, Inc.
\$20,000
College of Community Innovation and Education

Cook, Christa

Spatiotemporal Analysis of HIV Health and Quality of Life Outcomes in Florida
University of Florida Board of Trustees
\$20,000
College of Nursing

Cook, Jennifer

WUCF Be My Neighbor Day 2022
Fred Rogers Productions
\$10,000
Communications And Marketing

Cook, Jennifer

WUCF Community Service Grant Public TV Stations - FY 2022
Florida Department of Education
\$604,750
Communications and Marketing

Cruz-Neira, Carolina | Reiners, Dirk

Unity Charitable Fund Proposal
Tides Foundation-Unity Charitable Fund
\$50,000
College of Engineering and Computer Science

Cyrus, Elena

Training for Scientists Conducting Research to Reduce HIV/AIDS Health Disparities
The Regents of University of California
\$20,000
College of Medicine

Delfyett, Peter

Comb-Enabled Monolithic Electronic Massive Link Phase 2
University of Pennsylvania
\$75,895
College of Optics and Photonics

Devogele, Maxime Serge F

The Mission Accessible Near-Earth Object Survey
Lowell Observatory
\$23,162
Florida Space Institute

Dove, Adrienne

LSTIP Heimdall Project
Planetary Science Institute
\$11,859
College Of Sciences

Duranceau, Steven

Central Regional Water Treatment Facility Ozone - GAC Operations Assessment
Polk County
\$99,993
College of Engineering and Computer Science

Ehrhart, Mark

VA Leadership Hub-Leadership and Organizational Change Learning Network Hub Site
VA Palo Alto Health Care System
\$36,528
College of Sciences

Eluru, Naveen

Disney Donation
Disney Worldwide Services, Inc.
\$50,000
College of Engineering and Computer Science

Fernandez-Valle, Cristina

Bromodomain Inhibitors to Prevent Development of Resistance to Targeted Kinase Inhibitors in Schwannomas
U.S. Army Medical Research Acquisition Activity
\$876,217
College of Medicine

Fiore, Stephen

Cognitive Offloading for MUM-T
Lockheed Martin Corporation
\$136,363
School of Modeling Simulation and Training

Fjelstul, Jill

USTA Player Development Assessment
United States Tennis Association
\$30,250
College of Hospitality Management

Gilbertson, Timothy

A New Versatile, SERS-Based GPCR Assay
VicoLine Medical, LLC
\$85,672
College of Medicine

Hansen, Lynn

Lockheed Martin College Work Experience Program MFC
Lockheed Martin Corporation
\$4,047,000
Student Development and Enrollment Services

Jewett, Mollie | Kim, Brian

An Innovative Point-of-Care System for Reliable Diagnosis of Lyme Disease
Global Lyme Alliance, Inc.
\$150,000
College of Medicine

Joe, Richelle

Removing Obstacles to HIV Prevention for Black Women in Orange County, Florida
Robert Wood Johnson Foundation
\$78,000
College of Community Innovation and Education

Kang, Myungkoo | Richardson, Kathleen

Phase-Change Reconfigurable Optical Wavefront Synthesis System
Massachusetts Institute of Technology
\$90,000
College of Optics and Photonics

Kapat, Jayanta | Raghavan, Seetha | Vesely, Ladislav

Development of Novel Mesoporous Substrates for a Stable Liquid-Metal Plasma-Material Interface Under Ultra Long-Plasmas
Energy Driven Technologies, LLC
\$195,976
College of Engineering and Computer Science

Kent-Walsh, Jennifer

FAAST Atlantic Regional Demonstration Center
Florida Alliance for Assistive Services and Technology
\$78,833
College of Health Professions and Sciences

Kettles, Colleen

Code Official Education and Training
Interstate Renewable Energy Council, Inc.
\$25,500
Florida Solar Energy Center

Knox, Claire

Identification of Cost-Effective, Climate-Informed Green Infrastructure Adaptations to Reduce Flood Risk in Houston Vulnerable Communities
University of Texas at Arlington
\$5,000
College of Community Innovation and Education

Kwok, Kawai | Gou, Jihua

Scalable and Tailorable Thermoforming and Reforming of Large Composite Spacecraft Structures

NASA Shared Services Center

\$49,999

College of Engineering and Computer Science

Metcalf, David | Eakins, Michael | Hamilton, Angela

Blockchain-Enabled Soldier Record Management by TRACR

Riptide Software, Inc.

\$153,000

School of Modeling Simulation and Training

Mouton, Christine

Victims of Crime Act Grant 2021-2022

Florida Office of the Attorney General

\$234,704

Administration and Finance

Pang, Sean

Imaging Based Liquid Oxygen Tank Gauging in Space

ETA Space

\$67,188

College of Optics and Photonics

Raghavan, Seetha | Coathup, Melanie | Dove, Adrienne | Kinzel, Michael

Forging a Trajectory for STEM Readiness in Space Technology

NASA Shared Services Center

\$247,378

College of Engineering and Computer Science

Renshaw, Kyle

Planar Optics for Telecommunications

Northrop Grumman Corporation

\$25,000

College of Optics and Photonics

Richardson, Martin | Bernath, Robert | Cook, Justin

C-DESST Thermal Blooming Effects Associated with Spectrally Combined HEL Beams

Air Force Office of Scientific Research

\$414,831

College of Optics and Photonics

Sawyer, Ben D.

Battlespace Visualization and Planning Tool Phase III

Dignitas Technologies, LLC

\$180,885

College of Engineering and Computer Science

Sohl, Paul

Sohl, RS, SBA Catalyst- Corridor - SBA Catalyst
U.S. Small Business Administration
\$150,000
Presidential Division

Uribe Romo, Fernando

Institute for Data-Driven Dynamical Design
Colorado School of Mines
\$58,073
College of Sciences

Vasu Sumathi, Subith

Broadening Participation of Next Generation Aerospace Engineers through Traineeship and Workforce Development
Florida A&M University
\$120,000
College of Engineering and Computer Science

Vasu Sumathi, Subith

Assessing the Impurity Effects on LOx/Methane and LOx/Natural Gas in Rocket Combustion and Propulsion Systems
NASA Shared Services Center
\$55,000
College of Engineering and Computer Science

Vasu Sumathi, Subith

Planning Collaboration and Commercialization in the Area of Advanced Laser and Optical Sensors for Aerospace Applications
NASA Shared Services Center
\$50,000
College of Engineering and Computer Science

Vela, Adan

Human-AI Collaboration in Autonomous Aerial Vehicles
Georgia Institute of Technology
\$100,227
College of Engineering and Computer Science

Vosoughi, Azadeh

eFellow Masoumeh Kalantari Khandani
4D Spatiotemporal Medical Particle Imaging Using Deep Neural Networks with Sparsifying Transforms
American Society for Engineering Education
\$259,200
College of Engineering and Computer Science

Waring, Scott

Teaching with Primary Sources at the University of Central Florida
Library of Congress
\$79,412
College of Community Innovation and Education

Watson, Keri

Laughing Gull Foundation Travel Grant

Laughing Gull Foundation

\$900

College Of Arts and Humanities

Wells, Adam

The Effects of Peak ATP® Supplementation vs. Placebo on Measures of Mood, Reaction Time and Cognitive Performance

TSI Group Ltd.

\$64,082

College of Health Professions and Sciences

Zhai, Lei

Fabrication and Characterization of Polymer/Carbon Tube

Composites for Thermal Interface Material Application

Saratoga Energy Corporation

\$72,000

College of Sciences