



Sponsored Awards in April 2024

Abdel-Aty, Mohamed; Islam, Zubayer

Prediction of Safety Opportunities Using Automated Traffic Signal Performance Measures

Florida Department of Transportation

\$159,625

College of Engineering and Computer Science

Abdel-Aty, Mohamed; Islam, Zubayer; Wang, Dongdong

Intersection Safety and Mobility Analytics Using Sensor Fusion

Florida Department of Transportation

\$286,650

College of Engineering and Computer Science

Agarwal, Shaurya

Exploring Hybrid Architecture for Data Processing/Storage Needs of FDOT

Florida Department of Transportation

\$235,000

College of Engineering and Computer Science

Ahmed, Kareem

High Energy Pulses for Robust Scramjet Ignition

Creare, LLC

\$300,000

College of Engineering and Computer Science

Apostolakis, Georgios

Highway Bridge Deck Repair Using UHPC-Class Materials

Cor-tuf UHPC

\$25,095

College of Engineering and Computer Science

Apostolakis, Georgios

Highway Bridge Deck Repair Using UHPC- Class Materials
Cor-tuf UHPC
\$25,095
College of Engineering and Computer Science

Azarian, Taj; Dawson, Virgil; Fraser, Amoy; Zhu, Xiang

Post-pandemic Genomic Epidemiology of Pneumococcal Carriage Among Children and Adults in the
General US Population
Merck Sharp & Dohme Corporation
\$371,067
College of Medicine

Branting, Scott

Kerkenes Project 2024
Merops Foundation, The
\$42,500
College of Sciences

Brisset, Julie

CuTOC Frequency Combs for Space Applications
Utah State University Space Dynamics Laboratory
\$50,000
Office of Research

Chernyak, Leonid

Carrier Recombination Dynamics in III-N Photodetectors
National Science Foundation
\$387,187
College of Sciences

Choi, Eunice

Small Business Development, University of Central Florida
University of West Florida
\$141,935
President

Concha, Maritza

Cybersecurity Training for State and Local Government Employees in Florida
Florida International University Board of Trustees, The
\$183,757
College of Community Innovation and Education

Cook, Jennifer

WUCF FM Community Service Grant 2023-2025
Corporation for Public Broadcasting
\$189,575
WUCF FM

Cook, Jennifer

Central Florida is Ready to Learn: An Early Learning Initiative From WUCF
Orlando Magic Youth Foundation
\$35,000
WUCF TV

Eddins, David

Evaluation of Noise Reduction and Methods of Measuring Benefit
SONOVA UNITED STATES CORPORATE SERVICES, LLC
\$389,339
College of Health Professions and Sciences

Fenaughty, Karen

Groundwork Building America Retrofit Solutions
Southeast Energy Efficiency Alliance
\$25,887
Office of Research

Jentsch, Florian

Pilot Monitoring Section of a Single Source Reference Document for Flight Standards Human Factors
US Department of Transportation/Federal Aviation Administration
\$359,920
School of Modeling, Simulation, and Training

Kent-Walsh, Jennifer

Measuring Aided Language Development
National Institute on Deafness and Other Communication Disorders
\$651,914
College of Health Professions and Sciences

Khanikaev, Alexander

Mid-Infrared Topological Metaphotonics
University of Dayton Research Institute
\$32,500
College of Optics and Photonics

Kibler, Kelly

Collaborative Research: Using Adaptive Lessons to Enhance Motivation, Cognitive Engagement, And
Achievement Through Equitable Classroom Preparation
National Science Foundation
\$111,682
College of Engineering and Computer Science

Kirkegard, Belinda

NEC Support Service for the City of Kissimmee Small Business Pilot Program
City of Kissimmee
\$10,000
President

Lamanna, Jacqueline

Holograms: Helping Elders, LIFERS, and Providers (H-HELP)
Learning Institute for Elders (LIFE), The
\$2,640
College of Nursing

Mackie, Kevin; Apostolakis, Georgios

Combined Flexure and Axial Load Performance of UHPC Piles
Florida Department of Transportation
\$285,284
College of Engineering and Computer Science

Moran, Kevin

Toward Understandability and Interpretability for Neural Language Models of Source Code
National Science Foundation
\$745,197
College of Engineering and Computer Science

Muradov, Nazim

Next Generation Process Development for Stranded Gas Conversion to Low-Carbon Fuels and Chemicals
M2X Energy, Inc
\$267,916
Office of Research

Naser, Saleh

State Allocation
State of Florida
\$337,000
College of Medicine

Niguse, Bereket

Florida Building Commission Building Safety Inspection Program Creation and Education of Digital
Building Safety Inspection Form
State of Florida Department of Business and Professional Regulation
\$97,197
Office of Research

Parks, Griffith

State Allocation
State of Florida
\$500,000
College of Medicine

Prins, Cindy

Nursing Home and Long Term Care Facility Strike Team and Infrastructure Project
University of Florida Board of Trustees, The
\$71,534
College of Medicine

Richardson, Kathleen

Evaluation of Dual Band Infrared (IR) Gradient Refractive Index (GRIN) Strategies for SWaP Reduction
QinetiQ Inc
\$748,921
College of Optics and Photonics

Ridderstaat, Jorge

Evaluation of the Impact of a New Air Passenger Levy on Tourism Demand in Aruba
Aruba Tourism Authority
\$35,000
Rosen College of Hospitality Management

Sami, Naveed

A Randomized, Double-Blind, Placebo-Controlled, Multicenter, Adaptive Phase Iii Trial to Investigate Efficacy and Safety of Vilobelimab in the Treatment of Ulcerative Pyoderma Gangrenosum
TFS Trial Form Support Inc.
\$240,720
College of Medicine

Schreiber, Jeanette

Heart Health Plus Learning Collaborative
Florida Department of Health
\$120,000
College of Medicine

Seal, Sudipta

Advancing High Deposition Rate Additive Manufacturing Materials and Technologies
Florida International University Board of Trustees, The
\$150,000
College of Engineering and Computer Science

Sharma, Rashi; Richardson, Kathleen

Development of Recovery and Recycling Processing and Performance Standards for Infrared Glass Materials
American Center for Optics Manufacturing, Inc (AmeriCom)
\$1,200,000
College of Optics and Photonics

Sohn, Yongho

Daegu Metropolitan City Donation
Daegu Metropolitan City
\$15,000
College of Engineering and Computer Science

Solihin, Yan

Adaptive and Robust Neural Network (for Edge Architecture)
Ministry of Education, Culture, Research, and Technology Republic of the Indonesia
\$15,000
College of Engineering and Computer Science

Solonari, Vladimir

Educational Conference "Holocaust Perpetrators and the Law"
United States Holocaust Memorial Museum
\$10,000
College of Arts and Humanities

Stewart, Chris

Applying the Delphi Method to Advance and Optimize a Benchmark for the Training and Matching of Service Dogs with Disabled Service Members and Veterans
California State University, Long Beach, Research Foundation
\$124,219
College of Health Professions and Sciences

Thiamwong, Ladda; Crook, Jennifer; Emrich, Christopher; Hawthorne, Timothy; Kim, Dahee; Xie, Rui; Zhong, YunYing

Climate Creative Communities to Promote Physical Activity and Health Equity: A Pilot Study
Learning Institute for Elders (LIFE), The
\$4,836
College of Nursing

Vasu Sumathi, Subith

Improved Hypersonic Jet Interaction Modeling with Propulsion Exhaust
Combustion Research and Flow Technology, Inc.
\$450,000
College of Engineering and Computer Science

Wahl, Thomas

Improving Sea level Information at DoD sites for risk assessments using hybrid modelling and data-fusion (ISIDoD)

Administrators of the Tulane Education Fund

\$111,070

College of Engineering and Computer Science

Wang, Jun

Taming Huge Page Problems for Memory Bulk Operations Using a Hardware/Software Co-Design Approach

National Science Foundation (NSF)

\$400,000

College of Engineering and Computer Science

Wolf, Ross

USDOJ/ICITAP Tourism Security and Protection (TSP) Training Program

Amentum Government Services Holding, LLC

\$141,324

College of Community Innovation and Education

Zhang, Wei

AlignMEM: Fast and Efficient DNA Sequence Alignment in Non-Volatile Magnetic RAM

The Johns Hopkins University

\$56,582

College of Engineering and Computer Science

Zheng, Hao

Aril-UCF University Project

Aril Computer Corporation

\$25,000

College of Engineering and Computer Science