



Sponsored Awards in October 2024

Ahmed, Kareem

Solid Fuel Development
Lockheed Martin Corporation
\$147,500
College of Engineering and Computer Science

Bandres, Miguel

Advanced Modeling and Characterization of Hollow-Core Fibers
Relativity Networks, Inc
\$150,000
College of Optics and Photonics

Bruder, Gerd; Welch, Gregory

Real-Time Trust Dynamics in Space Cyber-Human Teaming
Cislune, Inc
\$74,946
School of Modeling, Simulation, and Training

Bryer, Thomas

Evaluation for the City of Orlando Public Art Challenge project
City of Orlando
\$39,999
College of Community Innovation and Education

Burns, Terri

Centers for Autism and Related Disabilities (CARD) 2024 - 2025
Florida Department of Education
\$2,467,195
College of Health Professions and Sciences

Chaput, Meredith

Dual-Task Neuroplasticity after ACL Reconstruction: Translating Mechanism to Clinical Outcomes
Academy of Orthopaedic Physical Therapy
\$30,000
College of Health Professions and Sciences

Choi, Eunice

2024 APEX Accelerator / Small Business Development Center - UCF
University of West Florida
\$77,148
President - Small Business Development Center

Choi, Eunice

Small Business Development Center (SBDC), University of Central Florida, 2025 State Performance Funds
University of West Florida
\$291,822
President

De Souza Feliciano, Ana Carolina

Constraining the Dynamical Evolution of the Outer Solar System
Space Telescope Science Institute
\$41,118
Office of Research

Del Barco, Enrique

Ferrimagnetic Materials for Fast Nanoscale Information Processing
US Air Force Office of Scientific Research
\$750,000
College of Sciences

Donaldson Hanna, Kerri

23-PLANET23-0016: Investigation into the Simulated Space Weathering of Carbonaceous Chondrites: An
Experimental Approach
NASA Shared Services Center
\$50,000
College of Sciences

Donnelly, Melinda; Walters, Linda

Tomoka State Park Living Shoreline Stabilization – Phase II
Florida Fish and Wildlife Conservation Commission
\$58,988
College of Sciences

Eikenberry, Stephen; Amezcua Correa, Rodrigo; Bandres, Miguel

Exploring the Imaging Physics of Photonic Lanterns
US Air Force Office of Scientific Research
\$617,397
College of Optics and Photonics

Elgohary, Tarek

FHTCC: Rapid, Accurate, and Robust Predictions and Tracking for Domain Awareness Year 2
UCF/Office of Research & Commercialization/Florida High Tech Corridor Council
\$73,750
College of Engineering and Computer Science

Emrich, Christopher; Wahl, Thomas

FCI: Emrich, UCFF - Boardman Endowment
Independent Donor Formerly Independent Contractor
\$10,397
College of Community Innovation and Education

Fernandez, Erik; Kapat, Jayanta; Otto, Marcel

Advancing sCO₂ Power Systems and Components for MSRs
Energy Driven Technologies, LLC
\$70,000
College of Engineering and Computer Science

Fisher, Tyler; Redmon, Maria

Applied Puppetry in Carceral Contexts: Artistic Self-Expression and Multilingual Interview Practice for Reintegration into Our Town
National Endowment for the Arts
\$29,500
College of Arts and Humanities

Gaither, Michelle

Florida Sea Grant: 2024-2027 OMNIBUS

University of Florida

\$88,175

College of Sciences

Gaither, Michelle

Applying Genomic Techniques to Reef Fisheries Management: A Multi-Faceted Approach to Protecting Florida's Coral Reef Fish Populations

Florida Education Fund

\$1,500

College of Sciences

Gao, Su

FLDOE_State Science & Engineering Fair 2024-2025

Florida Department of Education

\$72,032

College of Community Innovation and Education

Gao, Su

FLDOE_Sec. St. Science & Engineering Fair 2024-25 / Securing the Continuation of the State Science and Engineering Fair of Florida-2

Florida Department of Education

\$71,484

College of Community Innovation and Education

Gaspar, Stephanie

Microbe Mayhem: The effects of using Carbaryl on the gut microbiome of Purple Martins

Purple Martin Conservation Association

\$2,500

College of Sciences

Gaume, Romain

Fabrication of Fluoride Nanocomposite Ceramics for Infrared Windows

Bhawin LLC

\$26,562

College of Engineering and Computer Science

Gazzillo, Paul

Finding and Fixing Security Misconfigurations through DevOps-Aware Testing and Verification
Computing Alliance of Hispanic Serving Institutions
\$43,000
College of Engineering and Computer Science

Hasti, Veeraraghava Raju

Large Language Models for Utility and Industrial Applications
Siemens Energy, Inc.
\$108,017
Office of Research

Islam, Zubayer; Abdel-Aty, Mohamed

Evaluating the Safety and Efficiency of Flex Lanes for CFX
Central Florida Expressway Authority
\$160,000
College of Engineering and Computer Science

Jones, Dayle

UCF-Aspire Behavioral Health Paraprofessional Training Program / Opioid-Impacted Family Support Program
Health Resources and Services Administration
\$562,181
College of Community Innovation and Education

Karmaker Santu, Santu

An Intelligent Assistant to Support Teachers and Students in Simulation-Based Science Learning
National Science Foundation
\$634,950
College of Engineering and Computer Science

Kirkegard, Belinda

General Support of the National Entrepreneur Center
Wells Fargo Foundation
\$25,000
President

Lee, Jaesung

Wireless Pressure Sensors Operating at Extreme Temperature
IntegSense Inc.
\$45,000
College of Engineering and Computer Science

Libutti, Chris; Logue, CarolAnn Dykes

Collaborative Project Order #19 ETC Force Development Supply Chain Planning and Execution
Naval Air Warfare Center Training Systems Division
\$250,000
Office of Research

Libutti, Chris; Logue, CarolAnn Dykes

Strategic Environmental Research and Development Program (SERDP) Hydrogen Workshop
Naval Air Warfare Center Training Systems Division
\$100,000
Office of Research

Libutti, Chris; Logue, CarolAnn Dykes

Strategic Environmental Research and Development Program (SERDP) Fire Equipment Prize Challenge
Naval Air Warfare Center Training Systems Division
\$73,647
Office of Research

Libutti, Chris; Logue, CarolAnn Dykes

Strategic Environmental Research and Development Program (SERDP) Fire Equipment - Prize Challenge
Funds
Naval Air Warfare Center Training Systems Division
\$256,800
Office of Research

Lopez, Janet

Cultural Adaptation of a Technology-Based Body and Mind Digital Health Intervention to Prevent Frailty
and Falls for Rural Spanish-Speaking Communities
Independent Donor Formerly Independent Contractor
\$4,000
College of Nursing

Masyada, Stephen; Garton, Kimberly; Spinale, Christopher; Wood, Elizabeth

Bay County Civics, Government, and US History Professional Development

Bay County School Board

\$12,212

College of Sciences

McDaniel, Carole

OTT: DRI - Maintenance of ARGIS Software

Desert Research Institute

\$30,873

Office of Research

McDaniel, Carole

OTT: DRI - Maintenance of Timesheet Software

Desert Research Institute

\$14,442

Office of Research

Mckinley, Jennifer

Federal and State Technology Partnership Program 2024

Small Business Administration

\$200,000

President

Mckinley, Jennifer<!>Nakagawa, Steven

Florida High Tech Corridor City of Orlando Industry Diversification Initiative, FY25 (Cenfluence® program)

City of Orlando

\$150,000

President

**McMahan, Ryan; Catbas, Necati; Chen, Jiannan; Davis, Kristopher; Kider Jr, Joe; Reiners, Dirk;
Sun, Patrick; Wahl, Thomas; Walters, Linda; Walters, Lori**

MRI: Track 1 Acquisition of an Integrated LiDAR and Hyperspectral Sensing System for Robustly Mapping
Physical Environments

National Science Foundation

\$662,547

College of Engineering and Computer Science

Renduchintala, Chaithanya

Core Health Partners Foundation-Usability of System and Process of the Togetherhood Initiative

Core Health Partners

\$9,729

Rosen College of Hospitality Management

Richardson, Kathleen<!>Banerjee, Parag

Advanced Materials - Broadband Phase 11 add-on

Lockheed Martin Missiles and Fire Control

\$22,700

College of Optics and Photonics

Seal, Sudipta; Ghosh, Ranajay

Corrosion Evaluation of Environmentally-assisted Cracking of 7XXX Aluminum Alloys/Coatings

Ohio State University

\$250,000

College of Engineering and Computer Science

Sullivan, Andrew

Revision and Evaluation of Common Assessment (VI-SPDAT) Tool

Homeless Services Network of Central Florida, Inc.

\$24,374

College of Community Innovation and Education

Sun, Patrick

An Efficient Landfill Surveying Method for Surface Emissions Monitoring and Cover Integrity Inspection

(Year 2): Odor Detection and Distribution Mapping

University of Florida Board of Trustees, The

\$60,000

College of Engineering and Computer Science

Sun, Wei

Development of An Insider Attack Detection Tool and Software Prototype

Siemens Energy, Inc.

\$200,000

College of Engineering and Computer Science

Vasu Sumathi, Subith

Non-Premixed Syngas Combustion with Oxy-Fuel at High Pressure SCO₂

Siemens Energy, Inc.

\$67,769

College of Engineering and Computer Science

Vieira, Robin

Review and Consider Technical Changes Incorporated in HB 267 with respect to section R402 Energy Conservation Code Compliance with R20 Sealed Attics

State of Florida Department of Business and Professional Regulation

\$25,000

Office of Research

Vyas, Shruti

Smart Sensing: Multimodal Diagnostic for Failure Detection in Power Plants

Siemens Energy, Inc.

\$128,370

College of Engineering and Computer Science

Walters, Linda

Oyster Reef restoration - FI CCA

Coastal Conservation Association Florida

\$50,000

College of Sciences

Wang, Dingbao

Application of ML streamflow approaches to the Houston Ship Channel Basin

Hottinger, Bruel and Kjaer Solutions, LLC

\$70,000

College of Engineering and Computer Science

Yuan, Jiann-Shiun

Place and Rout Optimization using AI Algorithms (Machine Learning for Smart Semiconductor Manufacturing and 3D IC Design - Revision 1)

TEL Technology Center, America, LLC

\$120,000

College of Engineering and Computer Science

Zhai, Lei

NSTC Symposium

UCF/Office of Research & Commercialization

\$2,000

Office of Research