Sponsored Awards in March 2024

Ahmed, Kareem
Pyrophoric Shock-Reacting Flows of Fire-Starting Battery Materials
US Air Force Research Laboratory
$100,000
College of Engineering and Computer Science

Al-Deek, Haitham
Evaluation of Internally Illuminated Raised Pavement Markers at Exit Ramps and Exit Ramp Improvements to Reduce WWD on the CFX System
Central Florida Expressway Authority
$125,826
College of Engineering and Computer Science

Ambivero, Camilla
Account for the Acceptance of Donated Book Royalties
Various
$696
College of Medicine

Anderson, Abigail
Biopsychosocial Contributors to Irritability in Individuals with Shoulder Pain
Foundation for Physical Therapy Research
$40,000
College of Health Professions and Sciences

Beazley, Melanie
WBID 3011D Lake Lovely Nutrient Source Tracking Project
Geosyntec Consultants, Inc.
$840
College of Sciences
**Bennett, Christopher; Chernyak, Leonid**  
Blending Silk and Gallium Nitride Electronics for Detection Technology  
North Atlantic Treaty Organization  
$382,800  
College of Sciences

**Bryer, Thomas**  
CESU - Volunteerism in National Parks: Motivations and Impacts  
US Department of Interior/National Park Service  
$50,604  
College of Community Innovation and Education

**Buchanan, Carolyn**  
Collaborative Healthcare Innovation: Designing Assistive Technology for Adults (CHI-DATA)  
Venture Well  
$25,108  
College of Health Professions and Sciences

**Burns, Terri**  
Evaluation of an Infant Toddler Swimming Program’s Effectiveness in Training Four Skills  
Austin Barnett  
$28,216  
College of Health Professions and Sciences

**Choi, Jongouk**  
Defending Against Electromagnetic Interference Attacks on Batteryless IoT  
Electronics and Telecommunications Research Institute  
$22,716  
College of Engineering and Computer Science

**Cook, Jennifer**  
TV Community Service Grant Agreement 2023-2025  
Corporation for Public Broadcasting  
$1,033,215  
WUCF TV
Davis, Kristopher; Kar, Aravinda; Kumar, Ranganathan
Photonic Curing of Printed Copper Contacts for High Efficiency and Low Cost Silicon Heterojunctions
US Department of Energy
$950,103
College of Engineering and Computer Science

Dechev, Damian
Lack of Cohesion of Methods Metric Implementation for C++
Lawrence Livermore National Laboratory
$51,062
College of Engineering and Computer Science

Douguet, Nicolas
Attosecond and Strong Field Physics in Correlated Multielectron System
National Science Foundation
$44,851
College of Sciences

Earley, Tiffany
Investigating Spatial Organization of Early Urban Life
National Science Foundation
$284,304
College of Arts and Humanities

Fu, Qiushi; Huang, Helen; Huang, Hsin-Hsiung
Sensorimotor Control of Common-Goal Bimanual Coordination
National Institute of Neurological Disorders and Stroke
$334,620
College of Engineering and Computer Science

Georgiopoulos, Michael
2024 North America Programming Championship
National Security Agency
$200,000
College of Engineering and Computer Science
Jentsch, Florian
Air Carrier Pilot Training and Operational Effectiveness Additionally, MOD001 extends the Period of Performance from 3/5/2025 to 3/5/2028.
US Department of Transportation/Federal Aviation Administration
$1,170,000
School of Modeling, Simulation, and Training - Institute for Simulation and Training

Jerousek, Richard
A Cross-Dataset Analysis of Particle Size and Structure in Saturn’s Narrow Ringlets
NASA Shared Services Center
$175,039
College of Sciences

Kassab, Alain
CML Lab Project Support
Orlando Health Foundation
$60,000
College of Engineering and Computer Science

Kettles, Colleen
Pathways to Career Opportunities Grant Project
Florida Department of Education
$245,660
Office of Research

Klonoff, Elizabeth; Fritzsche, Barbara
Broadening Participation in STEM Graduate Degrees
Council of Graduate Schools
$30,000
College of Graduate Studies

Lee, Jaesung
Probing Mechanical Degradation Mechanisms in Heterogeneously Integrated Systems Using Ultrasensitive Piezoresistive Strain/Stress Sensors
Sandia National Laboratories
$61,037
College of Engineering and Computer Science
Logue, CarolAnn Dykes
Y24 Corridor Support to the Innovation District
Florida High Tech Corridor Council
$50,000
President

Mckinley, Jennifer
Seminole County - Central Florida Industry Diversification Initiative Cenfluence FY24
Seminole County
$300,000
President

Mckinley, Jennifer
2024 EnergyTech University Prize
US Department of Energy
$5,000
President

Newton, Olivia
Team Learning for Better Scientific Software
Sustainable Horizons Institute
$30,971
School of Modeling, Simulation, and Training

Pang, Sean
Light Field Imaging (LFI) Based Sensor Study Donation
Northrop Grumman Systems Corporation
$25,000
College of Optics and Photonics

Proudfoot, Ben
Investigating Planet Formation in the Cold Classical TNOs Through Non-Keplerian Analysis
Space Telescope Science Institute
$20,127
Office of Research
Rivera, Manuel
The Economic Impact of Tourism in 2023-Proposal Prepared for the Curacao Tourist Board
Curacao Tourist Development Foundation
$12,498
Rosen College of Hospitality Management

Schultz, John
Trevor Colbourn Anthropology Endowment Fund
Independent Donor Formerly Independent Contractor
$15,561
College of Sciences

Schülzgen, Axel
Development of a Non-Invasive Method for Analyzing Dopant Profiles in Glass Preforms
Government of Israel: Ministry of Defense
$140,000
College of Optics and Photonics

Shah, Mubarak
Multimodal Geospatial ATR with Vision-Language Models
Lockheed Martin Missiles and Fire Control
$97,500
Office of Research

Southwell, Amber
HDSA Centers of Excellence Partner Site Program
Huntington's Disease Society of America
$7,500
College of Medicine

Vasu Sumathi, Subith
Hypersonic Optical Signature Toolkit for Transient Effects
Spectral Sciences, Inc.
$200,000
College of Engineering and Computer Science
Vasu Sumathi, Subith
FSGC - NASA FSGC Aerospace Academy Scholarships
NASA Shared Services Center
$3,000
College of Engineering and Computer Science

Wu, Shintson
Variable Transmittance Eyewear
Kent Optronics, Inc.
$70,000
College of Optics and Photonics

Xia, Xiaohu
Improving ELISA Technology using Ultra-efficient Peroxidase Mimics
National Institute of Biomedical Imaging and Bioengineering
$296,971
College of Sciences

Yao, Fan
CAREER: Understanding and Ensuring Secure-by-design Microarchitecture in Modern Era of Computing
National Science Foundation
$213,716
College of Engineering and Computer Science

Yuan, Yu
Synthesis of Natural Products by Oxidative Dearomatization and Discovery of BRAT1 Degraders
National Institute of General Medical Sciences
$441,469
College of Sciences