



## 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

**Douquet, 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 Confluence 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