Agarwal, Shaurya  
Pedestrian Upfront LiDAR-based Safety on Edge  
Florida Department of Transportation  
$52,000  
College of Engineering and Computer Science

Ahmed, Kareem  
Intrinsic Instability of Compressible Reacting Flows and Its Role in Scramjet Unstart and Transition  
University of Connecticut  
$86,960  
College of Engineering and Computer Science

Al-Deek, Haitham  
Investigating the Extent of Wrong-Way Driving Events and Identifying Wrong-Way Driving Hotspot Roadway Segments and Lone Wolf Exits with High Wrong-Way Driving Risk on Idaho High-Speed Roadways  
Idaho Transportation Department  
$325,000  
College of Engineering and Computer Science

Almagro-Moreno, Salvador  
Engineering Host-Associated Synthetic Consortia Based on Ecological Modules  
National Science Foundation  
$491,635  
College of Medicine

Azarian, Taj  
SARS-CoV-2 Genomics  
University of Florida Board of Trustees  
$14,171  
College of Medicine

Backes, Bethany | O'Connor, Julia | Woerner, Jacqueline  
Assessing the Impact of Intimate Partner Transitional Housing on Adolescent Residents  
The University of Texas Medical Branch  
$12,842  
College of Community Innovation and Education

Barber, Sarah | Duncan, Neil | Groff, Amanda | Wheeler, Sandra | Zavodny, Emily
Phase I/II Testing Support at the Burns Site, Phase I/II Testing Support at the Penny Site, and Artifact Analysis for the Unnamed Site Cape Canaveral Space Force Station, Brevard County, Florida
University of Chicago Argonne, LLC / Argonne National Laboratory
$224,939
College of Sciences

**Bartolomeu Halicki, Priscila Cristina**
From Natural Products to A First-In-Class Drug for Tuberculosis
Pharmaceutical Research and Manufacturers of America Foundation
$60,000
College of Medicine

**Beg, Shazia**
VALOR Trial
Priovant Therapeutics, Inc.
$424,858
College of Medicine

**Bubriski, Anne**
SLAM-Space
American Association of University Women
$8,000
College of Arts and Humanities

**Chandia Viano, Nataly**
English Access Microscholarship Academic Exchange Program
FHI 360
$109,135
UCF Global

**Chen, Kenle**
Open, Multiscale, and Application-Agnostic Platform for System-in-Package Heterogeneous Co-Design
Purdue University
$86,250
College of Engineering and Computer Science

**Chen, Limei**
Azure Life Sciences
BD Biosciences
$50,000
College of Medicine

**Cook, Jennifer**
WUCF PNC + PBS Kids 2023-2024
Public Broadcasting Service
$10,000
WUCF TV

**Cook, Jennifer**
PBS KIDS Brand Refresh Station 2023
Public Broadcasting Service
$10,000
WUCF TV

**Coudray, Makella | Schrimshaw, Eric**
STRiP-T Community Advisory Board Supplement
American Sexually Transmitted Diseases Association
$2,500
College of Medicine

**Crabbs, Robert**
Support for Testing at FIT
Florida Institute of Technology
$5,745
College of Optics and Photonics

**Cyrus, Elena**
Economic Navigation and Strengthening to Realize Unrestricted Services for Transgender Women
National Institute on Drug Abuse
$2,280,000
College of Medicine

**Divliansky, Ivan**
High-Brightness and High-Power External Cavity Locked Mid-IR Quantum Cascade Lasers
IRGlare, LLC
$45,000
College of Optics and Photonics

**Emrich, Christopher | Aksha, Sanam | Longenecker, Herbert**
Hurricane Ian Impact and Unmet Needs Assessment
Florida Department of Economic Opportunity
$82,220
College of Community Innovation and Education

**Ewetz, Rickard**
Integrating Neural Representation and Their Symbolic Twins for Assured AI
U.S. Air Force Research Laboratory
$784,438
College of Engineering and Computer Science
Ewetz, Rickard
Explaining RL Using Logical Rules, Constraints, Automata, and Program Synthesis
Ohio State University
$110,000
College of Engineering and Computer Science

Ewetz, Rickard
Solving for Polyglots Using Satisfiability Solving and Automated Abstractions
Ohio State University
$67,500
College of Engineering and Computer Science

Fathpour, Sasan
Hybrid Optical-Fiber/Integrated Photonics Systems for Multidimensional Imaging LiDAR
Olkin Optics, LLC
$30,000
College of Optics and Photonics

Gaume, Romain | Banerjee, Parag | Richardson, Kathleen
Thermal Analyzer Coupled with Advanced Mass Spectrometry for Optical Materials Research
U.S. Air Force Office of Scientific Research
$182,922
College of Engineering and Computer Science

Gazzillo, Paul
A Community for Configurability Open Research and Development
National Science Foundation
$49,869
College of Engineering and Computer Science

Glebov, Leonid | Divliansky, Ivan
PTR Glass For Recording at 266 nm
IPG Photonics
$300,000
College of Optics and Photonics

Goodwin, Ryan
Scaling Academic Recovery
Arizona State University
$220,833
Student Learning and Academic Success

Hasan, Samiul | Eluru, Naveen
A Deep Learning-Based Network-Wide Traffic Prediction Model for Integrated Corridor Management Systems
**Ishigami, Masahiro | Klemm, Richard**  
Twisted Graphene-Based Josephson Junction Detectors  
Truventic LLC  
$440,000  
College of Sciences

**Kirkegard, Belinda**  
2023 General Support of the National Entrepreneur Center  
Wells Fargo Foundation  
$25,000  
National Entrepreneurial Center

**Kourova, Alla**  
2023 STARTALK Grant Program University of Central Florida  
National Security Agency  
$303,260  
College of Arts and Humanities

**Lee, Woo Hyoung | Hwang, Jaehoon**  
Rapid and Simple MC-LR Check to Monitor Blooms for Early Action  
U.S. Environmental Protection Agency  
$25,000  
College of Engineering and Computer Science

**Leuenberger, Michael**  
Nonlinear Optics in 2D Materials Enhanced by Plasmon Modes in Dirac Semimetals, Weyl Semimetals, and 3D Topological Insulators  
U.S. Air Force Office of Scientific Research  
$206,097  
NanoScience Technology Center

**Leuenberger, Michael**  
Towards a Programmable Plasmonic Information Processor Based on Graphene, 2D Materials, and Rare-Earth Atoms  
U.S. Air Force Office of Scientific Research  
$186,997  
NanoScience Technology Center

**Lewis, Kristy**  
Omnibus 2022-2023 Florida Sea Grant  
University of Florida  
$25,000
Lewis, Kristy | Sandoval, Jennifer
Changing the Culture of our Occupations to Achieve Systemic Transformation
National Science Foundation
$127,883
College of Sciences

Logue, CarolAnn Dykes
Kissimmee Incubator - KUA Community Sponsorship Program
Kissimmee Utility Authority
$3,500
Business Incubation Program

Manero, Albert
LSI Orlando Health AP Clinical Trial A
Independent Donor Formerly Independent Contractor
$100,000
Office of Research

Mansfield, Kate | Seney, Erin
Equipment to Continue a Long-Term, In-Water Marine Turtle Population Structure, Health, and Abundance Study
Sea Turtle Conservancy
$5,670
College of Sciences

Mansy, Hansen
A Device for Monitoring Heart Failure Patients
Biomedical Acoustics Research Company
$215,000
College of Engineering and Computer Science

Martinez, Omar
A Couples-Based HIV Prevention Intervention for Latino Male Couples
National Institute on Minority Health and Health Disparities
$798,240
College of Medicine

Mckinley, Jennifer
Duke Energy FY 23-24 Sponsorship FHTC
Duke Energy Foundation
$25,000
Florida High Tech Corridor Council

Miller, Ann | Sellnow, Deanna | Sellnow, Timothy | Todd, Andrew
Learning Approaches, Interventions, and Dissemination Strategies Used in Public Health Emergencies
World Health Organization
$31,816
College of Sciences

**Moreto, William**
State of the Ranger Survey
International Ranger Foundation
$6,000
College of Community Innovation and Education

**Okumus, Bendegul | Okumus, Fevzi**
The EmployU Hospitality Immersion Camp 2023
Employ
$20,000
Rosen College of Hospitality Management

**Pang, Sean**
Optical Imaging System Modeling with MATLAB
MathWorks, Inc.
$15,115
College of Optics and Photonics

**Raizada, Shikha**
Raizada NSF IPA
National Science Foundation
$124,396
Florida Space Institute

**Raustad, Richard**
Trane Trace 3D Plus Software Development Support Task Order #7
S.E.I Associates
$144,000
Florida Solar Energy Center

**Renk, Kimberly**
Expanding Preschool Circles of Security Through Modeling and Consultation
Early Learning Coalition of Orange County
$59,904
College of Sciences

**Renshaw, Kyle**
AI/ML Geolocation of Ground-Based Laser Threats
Ohio State University
$89,533
College of Optics and Photonics

Richardson, Kathleen | Banerjee, Parag | Gaume, Romain | Jurca, Titel
2023 UWIN
UCF/Office of Research/Florida High Tech Corridor Council
$26,250
College of Optics and Photonics

Sadmani, A H M Anwar
High-Capacity Sustainable Sorbents for Treatment of PFAS
Clarkson University
$21,511
College of Engineering and Computer Science

Schreiber, Jeanette
Maternal Child Health Block Grant Funding
Florida Department of Health
$755,000
College of Medicine

Seal, Sudipta
Roadside Fog Detection Sensor Aging Studies of Camera Sensing Material Platform
Florida Department of Transportation
$166,500
College of Engineering and Computer Science

Seney, Erin | Mansfield, Kate
Late-Season Sea Turtle Nesting in Central and South Brevard County, Florida, Year 3
Sea Turtle Conservancy
$14,631
College of Sciences

Shah, Mubarak | Chen, Chen | Rawat, Yogesh Singh
WRIVA-22
Accenture Federal Services, LLC
$20,818
College of Engineering and Computer Science

Sohn, Yongho
Advancing Additive Manufacturing Technologies
Applied Science and Technology Research Organization of America
$99,863
College of Engineering and Computer Science

Southwell, Amber
Applying Artificial Intelligence for Neuropathological Assessment of Huntington Disease Mice
Sun, Patrick | Abdel-Aty, Mohamed
Smart Connected Barrels using Robust and Self-Powered Sensors for Traffic Work Zones
Florida Department of Transportation
$133,001
College of Engineering and Computer Science

Thiamwong, Ladda
Technology-Based Fall Risk Assessments in Community-Dwelling Older Adults with Alzheimer’s Disease: A Pilot Study
Sigma Theta Tau International
$900
College of Nursing

Vasu Sumathi, Subith | Lyakh, Arkadiy
Multi-QCL Laser Absorption Diagnostics for Energetic Materials Performance and Hypersonic Flow Fields Under Extreme Environments
U.S. Army Contracting Command
$800,000
College of Engineering and Computer Science

Walters, Linda
Oysters, Restoration and Virtual Reality
Disney Conservation Fund
$100,000
College of Sciences

Walters, Linda
Virtual Reality Program for Engaging Coastal Restoration Volunteers
Indian River Lagoon Council
$1,850
College of Sciences

Walters, Lori | Kider Jr, Joe
A Standards-Based Toolkit for Documenting a Structure’s Life History for Grassroots Heritage Preservation Organizations
National Endowment for the Humanities
$149,476
School of Modeling, Simulation, and Training

Wu, Dazhong | Shen, Wen
Consortium for Research and Education in Cyber Manufacturing Applications for Modular Nuclear Reactors
The Board of Trustees Florida International University
$159,890
College of Engineering and Computer Science

Yang, Yang
High-Power Density Direct Ethanol Fuel Cells
4H2, Inc.
$693,832
NanoScience Technology Center

Yang, Yang
Donation from Coulomb Technology
Coulomb Technology, Inc.
$10,000
NanoScience Technology Center

Yu, Haofei
Updating the Carbon COFL2012 Program
Florida Department of Transportation
$32,194
College of Engineering and Computer Science

Yu, Xiaoming
Laser Patterning of Superhydrophobic Surfaces for Ocean-Going Vessels
Shipglide, Inc.
$3,000
College of Optics and Photonics

Zhou Sun, Qun
Siemens - Zhou - Autonomous Building Project SOW
Siemens Industry
$11,598
College of Engineering and Computer Science