Abdolvand, Reza
Through-Wafer High-Frequency Acoustic Signal Transfer
Intel Corporation
$100,000
College of Engineering and Computer Science

Ahmed, Kareem
Highly Compressible Shock-Laden Turbulent Reacting Flows for Hypersonics
U.S. Army Research Office
$660,000
College of Engineering and Computer Science

Ahmed, Kareem
Improving NOx Entitlement with Axial Staging
Embry-Riddle Aeronautical University
$100,127
College of Engineering and Computer Science

Almagro-Moreno, Salvador
In Vivo Virulence Assessment of Vibrio Vulnificus Isolated
U.S. Food and Drug Administration
$24,926
College of Medicine

Bennett, Christopher
The Formation of Complex Molecules from the UV-Photon and keV-Electron Irradiation of Ices: Implications for Comets and Carbonaceous Chondrites
NASA Shared Services Center
$15,518
College of Sciences

Bhattacharya, Aniket
DNA Barcoding Via Multi-Scan and Step Control in Dual-Pore Tug-Of-War
Royal Institute for the Advancement of Learning
$43,496
College of Sciences

Burns, Terri Daly
Improving Postsecondary Outcomes – Targeted Disparity
Florida Developmental Disabilities Council
$125,000
College of Health and Professional Sciences
Canham, Matthew
The Phishing Tails: An Examination of the Individual Traits of Repeat Clickers and Protective Stewards
National Institute of Standards and Technology
$192,120
School of Modeling and Simulation

Caulkins, Bruce
Persistent Cyber Training Environment System Requirements and Technology Study
Edmond Scientific Company
$447,608
School of Modeling and Simulation

Chang, Zenghu
Attosecond X-Rays Beyond Oxygen K-Edge for Probing Charge Motion in Condensed Matter
U.S. Air Force Office of Scientific Research
$269,059
College of Sciences

Christodoulides, Demetrios
Harnessing Universal Symmetry Concepts for Extreme Wave Phenomena
Simons Foundation
$129,998
College of Optics and Photonics

Cook, Christa
Southern HIV and Alcohol Research Consortium Administrative and Research Support Core
University of Florida Board of Trustees
$26,766
College of Nursing

Crabbs, Robert
Atmospheric and Turbulence Monitoring Instrumentation
Office of Naval Research
$384,442
College of Optics and Photonics

Das, Tuhin
Power Plant Dynamic Modeling on the Siemens T3000 Simulation Platform for Transient Simulations
Siemens Energy, Inc.
$83,961
College of Engineering and Computer Science

DeMara, Ronald
Edge-Based Machine Intelligence Architecture for In-Situ Video Processing using Binarized Neural Networks
California State University
$43,034
College of Engineering and Computer Science
Donaldson Hanna, Kerri
Lunar Trailblazer
California Institute of Technology
$17,762
College of Sciences

Dove, Adrienne
HLS Rocket Plume Effects
NASA Shared Services Center
$10,000
College of Sciences

Duranceau, Steven
Jones Edmunds Research Fund
Jones Edmunds
$30,000
College of Engineering and Computer Science

Guo, Zhishan
A Next-Generation Online Scalable Streaming System for Early Rumor Detection
Florida International University
$75,000
College of Engineering and Computer Science

Han, Kyu Young
Super-Multiplexed Fluorescence Nanoscopy and Stoichiometry-Resolved Single-Molecule Assay for Imaging-Based Proteomics
National Institute of General Medical Sciences
$461,212
College of Optics and Photonics

Hawkins, Christopher
Assessing the Impact of Lead Agency Cross-Functional Authority on City Sustainability Outcomes
National Science Foundation
$115,380
College of Community Innovation and Education

Kapat, Jayanta
Development of a Physics Based Low-Order Dynamic Model in IDAES for Performance Enhancement of a Coal Power Plant Combustion Research and Flow Technology
$98,766
College of Engineering and Computer Science

Kapat, Jayanta
Evaluation of Blade Cooling Hole Performance through Velocimetry Techniques
Siemens Energy, Inc.
$20,026
College of Engineering and Computer Science
Kar, Aravinda
Additive Nanostructured Arrays for Broad Band Anti-Reflectivity
IRflex
$30,000
College of Optics and Photonics

Karalidi, Theodora
Polarization Signatures of Habitable Exoplanets
NASA Shared Services Center
$232,392
College of Sciences

Kibler, Kelly | Walters, Linda
Evaluation of Wave Attenuation and Shoreline Protection Provided by U.S. Atlantic and Gulf Coast Oyster Reef Living Shoreline Projects During Storm Events
Mississippi State University
$2,283
College of Engineering and Computer Science

Kider Jr., Joe
Measuring Food Access by Measuring the Physical Complexity of the Built Environment
USDA National Institute of Food and Agriculture
$29,500
School of Modeling and Simulation

Klonoff, Elizabeth
2020 - 2025 Joint UCF-USGS Research Program
U.S. Geological Survey
$157,666
Office of Research

Lighthall, Nichole
Predicting Novelty Technology Adoption Across the Lifespan
Learning Institute for Elders at UCF
$4,300
College of Sciences

Logue, CarolAnn Dykes
2020 Cairns Foundation Innovation Challenge in Partnership with Volusia Business Incubator
Powered by UCF
Various
$16,130
Presidential Division

Lyakh, Arkadiy
High-Power Multispectral Hemispherical Phased Array Beam Steering Subsystem Demonstrator
University of California, Davis
$140,000
NanoScience Technology Center
**Macy, Marisa**  
Technical Assistance & Training System PRE  
Florida Department of Education  
$993,750  
College of Community Innovation and Education

**Mansfield, Kate**  
Floating Migratory Platforms in Marine Environments  
NASA Shared Services Center  
$15,082  
College of Sciences

**Mansfield, Kate**  
Fall 2020 Sea Turtle Nesting Surveys in Support of Brevard County South Reach Renourishment Project  
U.S. Army Corps of Engineers  
$9,356  
College of Sciences

**Martin, Eric | Khan, Tanvir | Withers, Charles | Mcilvaine, Janet | Sonne, Jeffrey**  
Lab Home Testing of Residential Isolation Space Control to Minimize Infectious Disease Transmission in Existing Single-Family Homes  
Alliance Sustainable Energy LLC  
$51,947  
Florida Solar Energy Center

**McCloud, Rebekah**  
Student Support Services Program – PROJECT BEST  
U.S. Department of Education  
$261,888  
Student Development and Enrollment Services

**McCloud, Rebekah**  
Student Support Services Program – STEM  
U.S. Department of Education  
$261,888  
Student Development and Enrollment Services

**Metzger, Philip**  
Instant Landing Pads for Artemis Lunar Missions, SRA 624  
Masten Space Systems, Inc.  
$7,665  
Florida Space Institute

**Nam, Boo Hyun**  
Terracon Donation  
Terracon  
$7,500  
College of Engineering and Computer Science
O'Neal, Thomas | Lee, Woo Hyoung
Lemelson Foundation Environmentally Responsible Engineering Pilot Program
The Lemelson Foundation
$30,000
College of Engineering and Computer Science

Putnam, Shawn | Xu, Yunjun
Pulsed Sprays for Cooling High Power Devices
National Science Foundation
$399,999
College of Engineering and Computer Science

Qu, Zhihua
Nonlinear Autopilot Design and Robustness Analysis Tool
Lockheed Martin Missiles
$168,359
College of Engineering and Computer Science

Reinhart, Debra
FloRDA - Ex Libris
Ex Libris, Inc.
$750
Office of Research

Reinhart, Debra | Logue, CarolAnn Dykes
TechGrove Collaborative Project Order #1
Naval Air Warfare Center Training Systems Division
$369,738
Office of Research

Rivera, Manuel
The Economic Impact of Tourism in Curacao for 2019
Curacao Tourist Development Foundation
$13,000
College of Hospitality Management

Roy, Tania
IR-To-UV Optoelectronic Synapse for Object Identification by Hypersonic Vehicles
U.S. Air Force Research Laboratory
$49,800
NanoScience Technology Center

Roy, Tania | Jung, YeonWoong
IR-to-UV Optoelectronic Synapse for Object Identification
U.S. Air Force Research Laboratory
$95,000
NanoScience Technology Center
Saint Benoit, Tracy
Title IV of the Intergovernmental Personnel Act of 1970
U.S. Army Special Operations Command
$621,892
College of Community Innovation and Education

Seal, Sudipta | Parks, Griffith
Rapid Acting Disinfectant Spray for Slowing the Spread of COVID-19
Kismet Technologies LLC
$80,000
Advanced Materials Processing and Analysis Center

Sonne, Jeffrey
vs. 2018 International Energy Conservation Code Residential Stringency Analysis
Florida Department of Business Professional Regulations
$10,000
Florida Solar Energy Center

Thiamwong, Ladda | Park, Joon-Hyuk | Stout, Jeffrey | Yan, Xin
Technology-Based Fall Risk Assessments for Older Adults in Low-Income Settings
National Institutes of Health
$74,500
College of Nursing

Thiamwong, Ladda | Park, Joon-Hyuk | Stout, Jeffrey | Yan, Xin
Technology Innovation Enabling Falls Risk Assessments and Physical Activity in Low-Income Older Adults
Learning Institute for Elders at UCF
$7,200
College of Nursing

Towne, Samuel
Identifying Social and Structural Determinants of Health Disparities among at-Risk Populations
Texas A&M University
$10,000
College of Community Innovation and Education

Uribe Romo, Fernando
In-Flight Urine Evaporation Garment
Triton Systems, Inc.
$40,000
College of Sciences

Vasu Sumathi, Subith
Nitromethane Afterburn Temperature and Species Characterization Via Mid-Infrared Laser Absorption Spectroscopy
U.S. Air Force Office of Scientific Research
$85,000
College of Engineering and Computer Science
Vela, Adan | Garibay, Ivan
Expanding the Pipeline: Vertical Research at Scale
University of Nebraska
$245,305
College of Engineering and Computer Science

Virkki, Anne Katariina
Data Analysis and Modeling for Lunar Radar Polarimetry Research Opportunities in Space and Earth Sciences
Johns Hopkins University Applied Physics Laboratory
$30,534
Florida Space Institute

Yao, Fan
Towards Secure-By-Design Integration of Emerging Non-Volatile Memory in Future Systems
National Science Foundation
$500,000
College of Engineering and Computer Science

Yuan, Jiann-Shiun
Developing a Robust and Scalable System to Defend Against Deepfakes
University of South Florida
$45,000
College of Engineering and Computer Science

Zhai, Lei
Brainsurge Global Foundation
Brainsurge Global Support Foundation, Inc.
$2,000
NanoScience Technology Center

Zhai, Lei
Nanoporous Lubricant-Impregnated Surfaces to Prevent Biofilm Formation
NASA Shared Services Center
$55,000
NanoScience Technology Center

Zhai, Lei
Patterning of Graphene
Nanohmics, Inc.
$50,000
College of Sciences