Ahmed, Kareem
High-Performance Rotating Detonation Rocket Engine
NASA Shared Services Center
$50,000
College of Engineering and Computer Science

Ahmed, Kareem
High Energy Pulses for Robust Scramjet Ignition
Creare, LLC
$45,400
College of Engineering and Computer Science

Aldarondo-Jeffries, Michael
Ronald E. McNair Postbaccalaureate Achievement Program
U.S. Department of Education
$267,841
Student Learning and Academic Success

Al-Deek, Haitham
CFX Wrong-Way Data Collection, Reporting, And Resolving of Wrong-Way Driving Alerts From CFX Exit Ramps And Mainline Locations
Central Florida Expressway Authority
$237,000
College of Engineering and Computer Science

Azarian, Taj
A Cross-Sectional Study to Evaluate Pneumococcal Carriage Among Native Americans in the Southwest in the Era of COVID-19
Johns Hopkins University
$58,805
College of Medicine

Bochenek, Grace | Martin, Glenn | Mondesire, Sean | Reiners, Dirk | Smith, Eileen
BBBRC - NeoCity - Phase 2
U.S. Department of Commerce, Economic Development Administration
$8,801,540
School of Modeling, Simulation, and Training

Bradley, Eric
A Study of the Electrical and Accretion Properties of Levitated Dust Grains for Applications to NASA Missions, Planetary and Astrophysical Processes
NASA Shared Services Center
$66,000
Florida Space Institute

**Brisset, Julie**
The International Pulsar Timing Array
West Virginia University Research Corporation
$539,621
Florida Space Institute

**Britt, Daniel**
Compressed Regolith Pathways and Landing Pads
Cislune, Inc.
$69,862
College of Sciences

**Ceballos, Marjorie | Mihai, Florin | Nutta, Joyce | Zygouris-Coe, Vassiliki**
Project English-Learner Infused Training and Experience
U.S. Department of Education
$416,602
College of Community Innovation and Education

**Cook, Jennifer**
Ready to Learn Neighborhood Planning Project
Corporation for Public Broadcasting
$10,000
WUCF TV

**Coudray, Makella**
Sexually Transmitted Infection Testing Risk and Prevention among Trans Women
National Institute on Minority Health and Health Disparities
$126,630
College of Medicine

**Crawford, Kaitlyn | Mukhopadhyay, Kausik**
On Wireless Physiological Monitoring for Assessing Heat Stress Over Extended Periods
Federal Emergency Management Agency
$1,500,000
College of Engineering and Computer Science

**Cruz-Neira, Carolina | Reiners, Dirk**
Eye Tracking and Gaze-Directed User Interaction
Lockheed Martin Corporation
$151,644
College of Engineering and Computer Science

**Divliansky, Ivan**
Generating and Analyzing Laser Mode Constellations Using Passive Optical Elements
L3Harris Technologies, Inc.
$17,500
College of Optics and Photonics

**Dove, Adrienne | Colwell, Joshua**
Design and Development of Vacuum Chambers for Suborbital Lunar Flight Campaigns
NASA Shared Services Center
$112,372
College of Sciences

**Duranceau, Steve | Beazley, Melanie**
Hodge Street Water Treatment Facility Process Operations Assessment
Polk County
$114,500
College of Engineering and Computer Science

**Elgohary, Tarek**
On-Orbit Operations and Mission Planning in Minutes, Not Hours
MicrosurgeonBOT, Inc.
$74,999
College of Engineering and Computer Science

**Ewetz, Rickard**
Towards Robust Intelligent Systems Using Explainability
UCF Office of Research and Florida High Tech Corridor Council
$75,000
College of Engineering and Computer Science

**Goodwin, Ryan**
University of Central Florida Parent Dream Academy
U.S. Department of Education
$500,000
Student Learning and Academic Success

**Diaz, Desiree | Anderson, Mindi | Chapple, Reshawna | Eckhoff, Dawn | Gonzalez, Laura | Guido-Sanz, Francisco | Ng, Boon Peng | Peralta, Heather**
Nurse Education Practice Quality Retention Simulation Education Training/ Public Health Simulation-Infused Program
Health Resources and Services Administration
$495,678
College of Nursing
Guzman, Andrea | Diaz, Desiree | Muniz, Cyndia | Weishampel, John
Educating Nurses for Engagement, Research, Mentoring Excellence & Reinforcing Interpretation Access
U.S. Department of Education
$576,882
Diversity and Inclusion

Horan, Kristin | Jex, Steve | Mejia, Cynthia | Shoss, Mindy
Age-Inclusive Guidance on Employees for Supervisors
Centers for Disease Control and Prevention
$45,198
College of Sciences

Karalidi, Theodora
Catch the Waves - A Machine Learning Approach to Map Brown Dwarf and Imaged Exoplanet Atmospheres in 3D
National Science Foundation
$416,532
College of Sciences

Kettles, Colleen
Flexible Load Adaptation Training for Energy Services Professionals
The Association of Energy Services Professionals
$30,000
Florida Solar Energy Center

King, Joshua
Synergistic Impacts of Widespread Stressors on Threatened, Endangered, and At-Risk Species on Department of Defense Lands of the Southeastern U.S.
U.S. Army Corps of Engineers
$75,000
College of Sciences

Lee, Woo Hyoung
A Biopolymer-Based Simple and Reagentless Electrochemical Manganese Check in Water
Metawater Company Ltd.
$22,500
College of Engineering and Computer Science

Lewis, Kristy | Berry, Andrea | Kight, Erica | Sandoval, Jennifer | Taub, Michelle
The UCF Gulf Scholars Program
National Academy of Sciences
$45,729
College of Sciences

Little, Mary | Edwards, Oliver | Slanda, Dena
Connecting Enhanced Networks to Reach All Learners  
U.S. Department of Education  
$250,000  
College of Community Innovation and Education

Logue, CarolAnn Dykes  
Downtown Economic Gardening Technical Assistance Program  
City of St Cloud  
$16,500  
Business Incubation Program

Lyakh, Arkadiy  
Monolithic Dual-Band Quantum Cascade Laser - Phase II  
IRGlare, LLC  
$50,000  
NanoScience Technology Center

Lyons, Amelia | Gannon, Barbara | Giroux, Amy  
UCF Veterans Legacy Program Institute  
U.S. Department of Veterans Affairs  
$368,582  
College of Arts and Humanities

Martin, Glenn  
Low-Latency, High-Bandwidth Expeditionary Mobile Data Networks for Support Future Live Training Simulation Capabilities  
Titenn, Inc.  
$99,966  
School of Modeling, Simulation, and Training

Masyada, Stephen | Spinale, Christopher  
Bay County Service Agreement  
Bay County School Board  
$20,000  
College of Sciences

Metcalf, David  
Time & Materials Contract  
U.S. Nuclear Regulatory Commission  
$158,000  
School of Modeling, Simulation, and Training

Metcalf, David  
AR/VR Gaming Scenarios for Haptic Gloves  
Consolidated Nuclear Security LLC  
$74,869
School of Modeling, Simulation, and Training

**Pattanaik, Sumanta**  
Material Modeling for Realistic Rendering  
Activision  
$15,000  
College of Engineering and Computer Science

**Pinilla-Alonso, Noemi**  
Pluto's Climate System with JWST  
Space Telescope Science Institute  
$30,867  
Florida Space Institute

**Reinhart, Debra | Chen, Jiannan**  
Life-Cycle Assessments of Residential Curbside Collection Programs for Recycling Quality Improvement  
University of Florida Board of Trustees  
$57,178  
College of Engineering and Computer Science

**Renshaw, Kyle**  
C-DESST - HEL Targeting Sensor Development  
U.S. Army Contracting Command  
$4,102,874  
College of Optics and Photonics

**Richardson, Kathleen**  
UWIN 2022  
UCF Office of Research & Florida High Tech Corridor Council  
$25,000  
College of Optics and Photonics

**Richardson, Kathleen | Gaume, Romain**  
Calcium Lanthanum Sulfide Durable Windows & Optics  
UCF Office of Research & Florida High Tech Corridor Council  
$60,000  
College of Optics and Photonics

**Richardson, Kathleen | Gaume, Romain**  
Thermal Lensing-Free Chalcogenide Windows  
Triton Systems, Inc.  
$53,958  
College of Optics and Photonics

**Ross, Jerry**
National Entrepreneur Center Collective Impact Initiative
Wells Fargo Foundation
$20,000
National Entrepreneurial Center

Santra, Swadeshmukul
NanoFlorida Conference – Registration Fees
Various
$1
NanoScience Technology Center

Santra, Swadeshmukul
NanoFlorida Conference – Donations
Various
$1
NanoScience Technology Center

Solihin, Yan
Investigating the Feasibility of Providing Secure GPU Enclaves
Lockheed Martin Missiles and Fire Control
$47,619
College of Engineering and Computer Science

Sonne, Jeffrey
Florida Building Code, 8th Edition Integrated Draft Review
Florida Department of Business and Professional Regulation
$25,568
Florida Solar Energy Center

Southwell, Amber
Extracellular Vesicles as Non-Invasive Biomarkers for Huntington Disease Progression and
Huntingtin Lowering Therapy
Huntington's Disease Society of America
$75,000
College of Medicine

Stangle, Kimberly
Federal and State Technology Partnership Program FY22
Small Business Administration
$125,000
Florida High Tech Corridor Council

Stangle, Kimberly
Raising Awareness of The Corridor’s Research and Innovation Support for Florida Businesses
Duke Energy Foundation
$20,000
Stangle, Kimberly
2023 EnergyTech University Prize Regional Convener
U.S. Department of Energy
$5,000
Florida High Tech Corridor Council

Sun, Patrick | Chen, Jiannan
An Efficient Landfill Surveying Method for Surface Emissions Monitoring and Cover Integrity Inspection
University of Florida Board of Trustees
$73,174
College of Engineering and Computer Science

Taliaferro, Lindsay
Addressing Suicide Risks Among Ethno-Racial Minority Adolescents
Regents of the University of Minnesota
$14,107
College of Medicine

Tetard, Laurene
Towards Deterministic Defect Nanomanipulation Guided by In Operando Monitoring
Gordon and Betty Moore Foundation
$1,250,000
NanoScience Technology Center

Turner, Suzette
University of Central Florida CCAMPIS Project
U.S. Department of Education
$1,224,810
Student Development and Enrollment Services

Vasu Sumathi, Subith
Studies of Energetic Systems: Experiments and Modeling
U.S. Air Force Office of Scientific Research
$337,783
College of Engineering and Computer Science

Vasu Sumathi, Subith
Novel Experience Geared to NASA Engineering Design Challenges
NASA Shared Services Center
$141,359
College of Engineering and Computer Science

Vela, Adan
Understanding Transition of Political Discourse to Election-Motivated Violent Extremism
Board of Regents of the University of Nebraska
$204,686
College of Engineering and Computer Science

**Withers, Charles**
Florida Energy Investment Collaborative
Florida Department of Agriculture and Consumer Services
$250,000
Florida Solar Energy Center

**Xu, Mengyu | Ni, Liqiang | Poudyal, Chudamani**
Actuarial Science Student Training with Extracurricular Projects
Casualty Actuaries of the Southeast
$1,500
College of Sciences