Abdel-Aty, Mohamed
Evaluation of Smart Orlando Downtown Advanced Traffic Operations Performance Project
Florida Department of Transportation
$20,000
College of Engineering and Computer Science

Abdel-Aty, Mohamed
Phase IV - Expanding the Real-Time safety System to include I-4 Ultimate, I-75 and I-95,
Conflict Analysis and System Migration
Florida Department of Transportation
$500,000
College of Engineering and Computer Science

Bandres, Miguel
Branched Flow of Light
National Science Foundation
$81,331
College of Optics and Photonics

Bishop, Louise Kane
Early Representations of the Caribbean in British Periodicals
The Research Society for Victorian Periodicals
$13,750
College of Arts and Humanities

Caranto, Jonathan
Mechanisms of Novel Biological Nitrogen Chemistries
National Institute of General Medical Sciences
$364,638
College of Sciences

Chakrabarti, Debopam | Chakrabarti, Ratna
Plasmodium Protein Kinase Focused Antimalarials Discovery
National Institute of Allergy and Infectious Diseases
$801,255
College of Medicine

Chang, Zenghu
Attosecond Electron Dynamics in Polyatomic Molecules Probed By Water Window X-Rays
National Science Foundation
$128,380
College of Optics and Photonics
Cho, Hyoung Jin
Low-Dimensional Materials for Transducers
National Science Foundation
$299,888
College of Engineering and Computer Science

Crabbs, Robert | Coffaro, Joseph
Atmospheric and Turbulence Monitoring Sensors
Office of Naval Research
$397,782
College of Optics and Photonics

Dong, Yajie
DNA Origami Guided Assembly of Monolayer Quantum Dot Pixels for Flexible Electroluminescent Displays
QLEDcures LLC
$60,000
NanoScience Technology Center

Elgohary, Tarek
Rapid Computational Methods for the Evaluation of Distributed Space Mission Performance
NASA Shared Services Center
$69,930
College of Engineering and Computer Science

Fiore, Stephen
Understanding Individual and Team Cognition in Support of Future Space Missions
U.S. Air Force Office of Scientific Research
$288,098
School of Modeling, Simulation, and Training

Jurca, Titel
Dialing-In Sonochemical Synthesis of Transition Metal Precatalysts
National Science Foundation
$321,767
College of Sciences

Kibler, Kelly
A Mosaic Oyster Habitat for Coastal Defense
Rutgers University
$330,454
College of Engineering and Computer Science

Kinzel, Michael | Elgohary, Tarek | Rabelo, Luis
Industrial-Aero Optimization for Agile Rocket Cargo Delivery
Universities Space Research Association
$350,000
College of Engineering and Computer Science
**Likamwa, Patrick | Li, Guifang**
Extremely Low Noise Optically Pumped Semiconductor Optical Amplifier with High Saturation Power
Elephint
$103,707
College of Optics and Photonics

**Logue, CarolAnn Dykes**
GrowthWheel Business Coaching
City of Kissimmee
$16,500
Business Incubation Program

**Macintosh, Tracy**
Healing Our Community Through Youth Empowerment and Knowledge
The Arnold P. Gold Foundation
$4,000
College of Medicine

**Ravich, Timothy**
Advanced Air Mobility: Will Law Lift or Ground a New Era of Human Transportation?
National Science Foundation
$49,999
College of Community Innovation and Education

**Richardson, Kathleen | Banerjee, Parag | Sharma, Rashi**
Combinatorial Solution Processing of Optical Phase Change Materials
National Science Foundation
$320,000
College of Optics and Photonics

**Santos, Pedrina**
Forcing of the Upper Atmosphere from Coupling of Troposphere During Extreme Weather Systems
National Science Foundation
$277,745
Florida Space Institute

**Santra, Swadeshmukul**
Nano-Enabled Hybrid Phosphorus Platforms for Increasing Phosphorus Use Efficiency
North Dakota State University
$200,009
NanoScience Technology Center

**Sellnow, Deanna**
Effectively Communicating Uncertainty in Tropical Cyclone Intensity Forecasts
National Oceanic and Atmospheric Administration
$89,555
College of Sciences
Tigno-Aranjuez, Justine
Cell Surface LMAN1 as a General Sensor and Negative Regulator of Mannosylated Aeroallergens
National Heart, Lung, and Blood Institute
$391,848
College of Medicine

Vasu Sumathi, Subith
Laser Diagnostic System to Enhance Research and STEM Training in Energetics and Hypersonics
U.S. Army Contracting Command
$597,396
College of Engineering and Computer Science

Zhao, Jihe | McKinstry, Karl
Understanding Breast Cancer Cell Resistance to Immunotherapy
Florida Breast Cancer Foundation
$100,000
College of Medicine