Abdel-Aty, Mohamed | Eluru, Naveen | Hasan, Samiul | Wu, Yina
Improving Vulnerable Road Users’ Safety Based on Computer-Vision Technologies and High-fidelity Hybrid Traffic Forecasting Tool for Urban Transportation Networks Using Emerging Datasets
Florida Department of Transportation
$413,000
College of Engineering and Computer Science

Ahmed, Kareem
Spray and Splash Dynamics of an Advanced Flow-Independent Fuel Injector for Naval Propulsion
Office of Naval Research
$150,000
College of Engineering and Computer Science

Alvarez, Sergio
Estimating Economic Losses and Impacts of Florida Red Tide
Texas A&M University
$137,122
College of Hospitality Management

Bagci, Ulas | Pensky, Marianna
Predicting Outcomes of Lung Cancer Therapy Through Explainable Deep Learning
Florida Department of Health
$1,112,880
Center for Research in Computer Vision

Brisset, Julie | Fernandez Valenzuela, Estela
Investigating a Ring Formation Mechanism for Centaurs and TNOs
NASA Shared Services Center
$92,347
Florida Space Institute

Burns, Terri Daly
Advance Account
Florida Department of Education
$344,327
College of Health Professions and Sciences

Bush, Sarah
Transforming Undergraduate Mathematics Teacher Preparation Programs Using the Professional Development: Research, Implementation, and Evaluation Framework
National Science Foundation
$968,578
College of Community Innovation and Education
Carroll, Deborah
2020 Orange County Capacity Building for Nonprofits
Orange County Board of County Commissioners
$50,000
College of Community Innovation and Education

Chanda, Debashis
Adaptive Infrared Thermal Signature Management
National Geospatial-Intelligence Agency
$500,000
NanoScience Technology Center

Chang, Ni-bin | Reinhart, Debra | Sadmani, A. H. M. Anwar
Bio-Sorption Activated Media Filtration to Reduce Nutrients and Algal Mass
Florida Department of Environmental Protection
$2,000,000
College of Engineering and Computer Science

Chen, Limei | Chai, Karl
Exosome-Mediated Activation of Matriptase Targeting B Cell Lymphoma
Florida Department of Health
$109,569
College of Medicine

Choi, Eunice
Small Business Development Center - CARES Act
University of West Florida
$1,120,000
Presidential Division

Dogariu, Aristide
High Photon Density Spatiotemporal Vector Beams for Maritime Environments
Clemson University
$100,000
College Optics and Photonics

Dolan, Thomas
Intelligence Community Center for Academic Excellence
Office of the Director of National Intelligence
$294,414
College of Sciences

Earley, Tiffany
American Research Institute of the South Caucasus Research Fellowship toward your research on
“Landscapes of Warfare: Investigating Histories of Conflict in Pre-Modern Armenia through Mentoring Local Scholars.”
The American Research Institute of the South Caucasus
$2,500
College of Arts and Humanities
Eluru, Naveen | Abdel-Aty, Mohamed
Dynamic Artificial Realistic Data Generator A Dynamic Data Generation System for Computationally
Testing Safety Countermeasure Assessment Methodologies
University of Connecticut
$185,000
College of Engineering and Computer Science

Fathpour, Sasan
Lithium Niobate (LN) Photonic Integrated Circuit Transmitters on Silicon (Si) Substrates for RF Photonic
Systems
L3 Harris
$25,000
College of Optics and Photonics

Fernandez-Valle, Cristina | Khaled, Annette
Development of an Early Diagnostic Test for Malignant Tumors in Children with NF1
Florida Department of Health
$218,572
College of Medicine

Galura, Sandy | Warshawsky, Nora
Understanding the Interim Nurse Manager Role and Its Influence on Nursing Staff and Patient
Outcomes: A Mixed Methods Approach
Association for Leadership Science in Nursing
$10,000
College of Nursing

Ghosh, Ranajay | Raghavan, Seetha
Modeling Corrosion Initiation with In-Situ and Nanoscale Characterization
Defense Advanced Research Projects Agency
$100,000
College of Engineering and Computer Science

Gibson, Jane
cobas® Influenza A/B & RSV v2 Nucleic Acid Test for Use on the cobas® Liat® System: Clinical
Performance Evaluation
Roche Molecular Systems, Inc.
$102,706
College of Medicine

Gibson, Jane
Clinical Evaluation of the Xpert Xpress CT/NG Test in Female Specimens Protocols
Cepheid
$100,012
College of Medicine
Gou, Jihua | Kapat, Jayanta
High Temperature Composites, Damage Modeling and Health Monitoring for TPS – 253
U.S. Department of Transportation
$47,909
College of Engineering and Computer Science

Harris, Kristie
Higher Education Emergency Relief Fund-IHE/Institution
U.S. Department of Education
$25,535,624
Administration and Finance

Harris, Shana
Writing Residency
Brocher Foundation
$4,500
College of Sciences

Hawthorne, Timothy
Preparing the Next Generation of Scholars Through Community Geographic Information Systems and Citizen Science
National Science Foundation
$465,968
College of Sciences

Jenkins, David
Florida Range Limits and Habitat Use of Four Priority Nonnative Species
Florida Fish and Wildlife Conservation Commission
$60,917
College of Sciences

Jones, W Linwood
TMI V05 Brightness Temperature Revisions Phase-2
NASA Shared Services Center
$107,281
College of Engineering and Computer Science

Kider Jr., Joe | Canham, Matthew | Fiore, Stephen
A Cyber-Team SMART Room for Effectively Assessing Immersive Collaborative Reverse Engineering
Defense Advanced Research Projects Agency
$215,000
School for Simulation and Training

Kwok, Kawai
A Self-Deployable and Stiffenable Propeller Blade Structure
Office of Naval Research
$449,104
College of Engineering and Computer Science
Lambie, Glenn
The Efficacy of a Student-Centered Classroom Environment on Second-Grade Students’ Academic Achievement, School-based Behavior, and Social-Emotional
Central Florida Foundation
$64,896
College of Community Innovation and Education

Laviola II, Joseph
LaViola-IPA with VA
Corporal Michael J Crescenz Veterans Administration Medical Center
$43,570
College of Engineering and Computer Science

Lee, Woo Hyong | Cho, Hyoung Jin | Hwang, Jaehoon
A Biopolymer-Based Simple Lead Check in Tap Water
U.S. Environmental Protection Agency
$75,000
College of Engineering and Computer Science

Li, Guifang
Laser Satellite Communication Subject Expert Support
Vision Engineering Solutions
$5,169
College of Optics and Photonics

Li, Guifang | Pang, Sean
High-Precision Analog Photonic Accelerators for Artificial Neural Networks
Office of Naval Research
$204,729
College of Optics and Photonics

Liu, Fei
Meeting Browsing with Multiple Granularities: Automatic Summarization and Keyphrase Extraction
Amazon Web Services, Inc.
$40,000
College of Engineering and Computer Science

Lyakh, Arkadiy
High Power Quantum Cascade Lasers in the Spectral Range between 3.8 and 4.1 Microns
IRGlaire, LLC
$32,000
NanoScience Technology Center

Mahalanobis, Abhijit
Image Processing for Acquisition and Tracking
Invariant Corporation
$80,000
Center for Research in Computer Vision
Mansy, Hansen
Acoustical Methods for Evaluating Infant Hip Dislocations
Orlando Health Foundation
$10,000
College of Engineering and Computer Science

Martin, Eric | Colon, Carlos | Parker, Danny | Sonne, Jeffrey | Withers, Charles
Photovoltaic Powered, Grid Enhanced Mechanical Solution. A Pre-Packaged Approach Providing High Efficiency and Resilient Space Conditioning, and Water Heating
U.S. Department of Energy
$503,660
Florida Solar Energy Center

Martin, Eric | Fenaughty, Karen | Mcilvaine, Janet
Deep Energy Retrofits Cost Study
The Regents of University of California
$3,010
Florida Solar Energy Center

Morrison, Tracey | Sung, Stella
Lead...Like a Girl
City of Orlando
$9,000
College of Arts and Humanities

Pensky, Marianna
Statistical Inference for Multilayer Networks Data with Applications
National Science Foundation
$300,000
College of Sciences

Posey, Clay | Shoss, Mindy
Exploring the Cyber Behaviors of Temporary Work-From-Home Employees
National Science Foundation
$170,249
College of Business

Qu, Zhihua
GE Software Microgrid Lab
General Electric Global Research Center
$510,190
College of Engineering and Computer Science

Reiners, Dirk | Cruz-Neira, Carolina
Virtual Reality Simulation for Production Facilities
Hytrol Conveyor Company, Inc.
$79,979
College of Engineering and Computer Science
Reiners, Dirk | Cruz-Neira, Carolina
Mail Facility Simulation and Analysis System
Siemens Logistics LLC
$40,087
College of Engineering and Computer Science

Richardson, Martin
Multi-kW Yb Fiber Laser Enablement System
U.S.A.F. Office of Scientific Research
$253,170
College of Optics and Photonics

Richardson, Martin
Design Studies for Applied Energetics
Applied Energetics, Inc.
$82,998
College Optics and Photonics

Schneider, Kimberly
Yrs 2-5 Valencia Engaging for Completion Through Opportunities in Research
Valencia College
$28,858
Academic Affairs Administration

Schoenfeld, Winston
Large-Area Visible and UV Metal-Oxide Avalanche Photodiodes for Cherenkov Detector
Qrona Technologies
$30,000
College of Optics and Photonics

Skukauskaite, Audra
Making the Case for Invention Education through Research that Foregrounds the Insider Actions in Multilayered Ecosystems
The Lemelson Foundation
$25,000
College of Community Innovation and Education

Sohn, Yongho
Out-Of-Pile Testing to Support Us-Hprr Fuel Development
Battelle Energy Alliance LLC
$50,000
Advanced Materials Processing and Analysis Center

Southwell, Amber
Comparison of Oral Gavage and Medicated Food Delivery Routes
Skyhawk Therapeutics, Inc.
$86,486
College of Medicine
Southwell, Amber
TBD
Huntington's Disease Society of America
$500
College of Medicine

Thomas, Jayan
Jayan Thomas
Nitesh Dhasmana
$5,000
NanoScience Technology Center

Thompson, Brenda
Community Schools Partnership: Evans High School
Children's Home Society of Florida, Inc.
$1,500
College of Community Innovation and Education

Toyne, J. Marla
Exploring Mortuary Landscape and Social Complexity Among Pre-Columbian Chachapoya of the Eastern Andean Mountains of Peru
Rust Family Foundation
$4,688
College of Sciences

Vodopyanov, Konstantin
Active Imaging Through Fog
S.A. Photonics
$209,437
College of Optics and Photonics

Watson, Keri | French, Scot | Gordon, Fon | Lindsey, Shannon | Listengarten, Julia
NEA Big Read: Central Florida 2021 Silver Sparrow
Arts Midwest
$15,000
College of Arts and Humanities

Willenberg, Bradley
Airborne Concentration Measurement of Transfluthrin
Bayer Corporation
$107,389
College of Medicine

Willenberg, Bradley
Airborne Concentration Measurement of Transfluthrin
Bayer Crop Science LP
$107,389
College of Medicine
Wolf, Ross  
US-DOJ ICITAP Middle East Programs: Basic and Advanced Crime Investigation  
Science Applications International Corporation  
$6,663  
College of Community Innovation and Education

Womack, Maria  
Interpreting the Cratering Record of the Saturnian Satellites  
Southwest Research Institute  
$23,928  
Florida Space Institute

Xia, Xiaohu  
Simple and Sensitive Immunodetection of Animal-Derived Adulterants in Foods Using Catalytic Nanoparticles  
U.S. Department of Agriculture  
$490,000  
College of Sciences

Yang, Yang  
A New Rational Design of Functionally Graded Materials for Durable Lithium-Ion Batteries  
National Science Foundation  
$310,497  
NanoScience Technology Center

Yun, Hae-Bum  
Algorithm Development for Raman Spectrum and Performance Verification  
Korean Railroad Research Institute  
$40,815  
College of Engineering and Computer Science

Zavattaro, Staci  
Quick Response Research Entitled Questioning Public Science: Exploring Perceptions of Meteorological Aptitude And Scientists’ Response  
Natural Center  
$2,000  
College of Health Professions and Sciences