Abdel-Aty, Mohamed A. / Cai, Qing / Zaki Hussein, Mohamed Hamed
Connecting the East Orlando Communities Project- Phase I
Florida Department of Transportation
$250,000
College of Engineering and Computer Science

Ahmed, Kareem A.
High-Speed Compressible Turbulent Combustion: Turbulent-Induced Flame Compressibility Dynamics and Production
US Air Force Office of Scientific Research
$143,096
College of Engineering and Computer Science

Ahmed, Kareem A.
Technology Development Status of Pressure Gain Combustion Technologies for Power Generating Gas Turbines
Electric Power Research Institute, Inc.
$71,585
College of Engineering and Computer Science

Ahmed, Kareem A.
Gas Flow Dynamic Effects on Electrostatic Discharge
NASA Shared Services Center
$57,000
College of Engineering and Computer Science

Ahmed, Kareem A.
Novel Engine Cycles for Upper Stage Liquid Rocket Engines
Creare, LLC
$25,000
College of Engineering and Computer Science

Andraka-Christou, Barbara T.
Quality of Medication Treatment for Opioid Use Disorder in Medicaid-enrollees: The Effects of State Policies and Initiatives
RAND Corporation
$43,829
College of Community Innovation and Education
**Andraka-Christou, Barbara T.**  
Evaluating the Florida Courts Opioid Initiative  
Florida Supreme Court  
$11,699  
College of Community Innovation and Education

**Argenti, Luca**  
Attosecond photoemission dynamics: novel ab initio methods for atomic and molecular ex-situ spectroscopies  
National Science Foundation  
$112,252  
College of Optics and Photonics

**Azarian, Taj H.**  
Investigating persistent colonization and recent increases in invasive disease caused by serotype 3 among Southwest Native Americans of the Navajo Nation  
Johns Hopkins University  
$15,000  
College of Medicine

**Briggs, Cheryl Marie**  
2019 Animation Educators Forum Faculty Grant  
Animation Educators Forum  
$4,377  
College of Arts and Humanities

**Cannon, Kevin Michael**  
Geology and Resource Potential of the Maris Hills Study Area  
LoneStar Lunar Development LLC  
$1,508  
Florida Space Institute

**Carney, Michael A / Smith, Eileen M**  
AR Enhancement of Technical Posters  
Sandia National Laboratories  
$74,242  
Institute for Simulation and Training

**Chatterjee, Mainak**  
Securing Blockchain based Applications against Data Attacks  
University of South Florida  
$75,000  
College of Engineering and Computer Science
Chen, Kenle
National Science Foundation
$293,644
College of Engineering and Computer Science

Crawford, Kaitlyn
Electro Optic Polymers for Photonics Applications
IMEC
$53,005
College of Engineering and Computer Science

Dechev, Damian
Intra-Node Performance Monitoring
Sandia National Laboratories
$75,000
College of Engineering and Computer Science

del Barco, Enrique
Designing Elemental Devices for Molecular Electronics –Molecular Diodes
National Science Foundation
$442,755
College of Sciences

Dieker, Lisa A. / Hynes, Michael C.
Understanding the Role of Simulations in K-12 Science and Mathematics Teacher Education
Educational Testing Service (ETS)
$15,000
College of Community Innovation and Education

Driggers, Ronald G.
ASD SME Support
Fibertek, Inc.
$32,729
College of Optics and Photonics

Ewetz, Rickard Fredrik / Awad, Amro J / Yao, Fan
CNS Core: Small: Architecting Secure-by-Design ReRAM-Based Memories
National Science Foundation (NSF)
$499,635
College of Engineering and Computer Science
Fairey, Philip W. / McIlvaine, Janet R. / Sonne, Jeffrey K. / Vieira, Robin K.
Market Driven Residential Energy Codes: Comparing Performance in a Changing Technological Environment
US Department of Energy
$877,458
Florida Solar Energy Center

Fan, Deliang
Towards Robust Deep Learning Systems Against Adversarial Attacks
University of South Florida
$75,000
College of Engineering and Computer Science

Feng, Xiaofeng
2019 Alfred P. Sloan Research Fellowships in Chemistry
Alfred P. Sloan Foundation
$70,000
College of Sciences

Galura, Sandra J.
Understanding Managerial Dissonance in Nurse Managers
UCF Foundation, Inc
$500
College of Nursing

Garibay, Ivan I.
I-Corps: Using Artificial Social Intelligence for Legal Team Assistants
National Science Foundation
$50,000
College of Engineering and Computer Science

Gaume, Romain / Baudelet, Matthieu
LIBS Characterization of Ceramic Powders
Engi-Mat Co.
$9,010
Advanced Materials Processing and Analysis Center

Hall, Thomas V. / Donley, Amy M. / Dunn, Michael E. / Dvorak, Robert
Act Because You Care
National Collegiate Athletic Association (NCAA)
$30,000
Student Development and Enrollment Services
Hara, Tadayuki
Marketing and Promotion of GEM (Grand Egyptian Museum) and the Giza Plateau to Revitalize Egyptian Tourism
Ministry of Foreign Affairs of Japan
$3,000
Rosen College of Hospitality Management

Hasan, Samiul / Eluru, Naveen / Knox, Claire C.
Predicting Real-time Population Behavior during Hurricanes Synthesizing Data from Transportation Systems and Social Media
National Science Foundation
$210,000
College of Engineering and Computer Science

Hoffman, Eric / Mansfield, Katherine
Green sea turtle population genetic structure using next-generation sequencing
Sea Turtle Conservancy
$16,627
College of Sciences

Hoffman, Phil
Meet The Helpers CPB Corporation for Public Broadcasting
Corporation for Public Broadcasting
$225,000
Division of Strategy, Marketing, Communications, and Admissions

Hoffman, Phil
Reconstruction: America After the Civil War
WETA
$5,000
Division of Strategy, Marketing, Communications, and Admissions

Jones, W. Linwood
TMI V05 Brightness Temperature Revisions
NASA Shared Services Center
$86,884
College of Engineering and Computer Science

Kang, Hyeran
Nanomechanics of bacterial cytoskeleton in crowded environments
Haknong, Corporation
$30,000
NanoScience Technology Center
Keiffer, Melanie Rose / Chase, Susan  
Advanced Nursing Education Workforce Primary Care Scholars Collaborative  
Health Resources and Services Administration  
$383,572  
College of Nursing

Khajavikhan, Mercedeh  
Time Resolved Micro-Photo-Luminescence Measurement Station  
Office of Naval Research  
$299,870  
College of Optics and Photonics

Khondaker, Saiful I / Banerjee, Parag / Gesquiere, Andre J. / Tetard, Laurene / Xia, Dr Xiaohu  
Acquisition of a confocal and tip-enhanced Raman and photoluminescence microscope  
National Science Foundation  
$424,900  
NanoScience Technology Center

Landsman, Zoe Augusta  
Constraining Diversity in the M-Type Asteroid Population with FORCAST Spectroscopy  
Universities Space Research Association  
$7,000  
Florida Space Institute

LaRochelle, Jeffrey S.  
A randomized trial of a self-regulated learning microanalytic intervention to improve test performance in at-risk internal medicine clerkship students  
Henry M. Jackson Foundation for the Advancement of Military Medicine  
$4,800  
College of Medicine

Mahalanobis, Abhijit  
Generalized Representation for Image Processing for ACquisition and Tracking  
Invariant Corporation  
$80,000  
Center for Research in Computer Vision

Manero, Albert / Sparkman, John Garry  
Limbitless Arm Wolfson1  
UCF Foundation, Inc  
$50,000  
President's Office
Martin, Eric D. / Parker, Danny S. / Withers, Charles R.
Prevalence and Energy Impacts of Residential Comfort System Faults - Hot Humid and Hot Dry Climates
US Department of Energy
$801,754
Florida Solar Energy Center

Metzger, Philip Tillman
Robotic Lunar Surface Operations (RLSO) Study
California Institute of Technology, Jet Propulsion Laboratory
$19,999
Florida Space Institute

Mitchell, David Michael
Management Performance Review
Celebration Residential Owners Association, Inc.
$11,800
College of Community Innovation and Education

Mosher, Matthew
Fulbright-Salzburg University of Applied Sciences Visiting Professor
Fulbright Austria
$23,717
College of Arts and Humanities

O'Neal, Thomas P.
Development of Photon Beam Stereotactic Ablative Radiation Therapy - Student Funding
Decimal LLC
$40,000
College of Engineering and Computer Science

Parks, Griffith Davis / Copik, Alicja
Novel Oncolytic Virus for Redirecting NK Cell Killing of Lung Cancer Cells
American Lung Association
$100,000
College of Medicine

Reed, Dean E. / Plamondon, Brian D.
Artificial Intelligence Research and Development for Current and Future Live Training Environments
US Army Contracting Command
$4,734,080
Institute for Simulation and Training
**Rohde, Kyle**  
Characterizing the DosR virulence regulon in Mycobacterium abscessus  
Cystic Fibrosis Foundation  
$2,000  
College of Medicine

**Seal, Sudipta**  
Modulation of Inflammation and Oxidative Stress in Diabetic Wound Healing  
University of Colorado at Denver  
$125,142  
Advanced Materials Processing and Analysis Center

**Shah, Mubarak A. / Rawat, Yogesh Singh**  
MultiModal Video Summarization with User Input (5.2.1)  
US Army Contracting Command  
$90,217  
Center for Research in Computer Vision

**Walters, Joseph W.**  
PV Lifetime Hot & Humid Climate Flash Testing  
Sandia National Laboratories  
$35,832  
Florida Solar Energy Center

**Watson, Keri W. / French, Scot Andrew / Lindsey, Shannon Rae / Listengarten, Julia / Lyons, Amelia H.**  
The Big Read 2020 - The Things They Carried  
Arts Midwest  
$15,000  
College of Arts and Humanities

**Weishampel, John F.**  
Dr. John Weishampel Intergovernmental Personnel Act assignment  
National Science Foundation  
$233,032  
Graduate Studies - Graduate Studies

**Wharton, Tracy C.**  
Scholarship recipient training for HEALS scholars  
Council On Social Work Education  
$6,000  
College of Health Professions and Sciences
Wiegand, Rudolf Paul
Graduate Student Sponsored by Orlando Health
Orlando Health Foundation
$13,833
Institute for Simulation and Training

Yang, Yang
High-Safety Rechargeable Batteries
SDG Foundation
$600,000
NanoScience Technology Center

Yuan, Jiann-Shiun
Automated and Evolving Defense Against Adversarial Examples Using Generative Adversarial Networks
University of South Florida
$45,000
College of Engineering and Computer Science

Zhou, Qun
Leveraging Data to Secure Smart Infrastructure under Cyber-Physical Attacks: Anomaly Detection and Robust Operations
University of South Florida
$74,926
College of Engineering and Computer Science