



## Monthly New Awards – September 2021

### **Abdolvand, Reza**

Fabrication of 120nm Channel-Length Piezoelectric Field-Effect Transistors  
Intel Corporation  
\$20,000  
College of Engineering and Computer Science

### **Azevedo, Roger | Gurupur, Varadraj | Neider, Mark | Shoss, Mindy | Torre, Dario**

Augmenting Healthcare Professionals' Training, Expertise Development, and Diagnostic Reasoning with AI-Based Immersive Technologies in Telehealth  
National Science Foundation  
\$150,000  
College of Community Innovation and Education

### **Bernath, Robert**

Booz Allen Hamilton Test Support  
Booz Allen Hamilton, Inc.  
\$172,895  
Office Of Research

### **Burns, Terri Daly**

Centers for Autism and Related Disabilities 2021-2022  
Florida Department of Education  
\$1,721,639  
College of Health Professions and Sciences

### **Burns, Terri Daly**

Improving Postsecondary Outcomes-Targeted Disparity  
Florida Developmental Disabilities Council  
\$125,000  
College of Health Professions and Sciences

### **Chen, Jiannan | Reinhart, Debra**

Evaluation of Equivalency of Florida Double Liner System and Subtitle D Composite Liners Based on Mass Transport and Chemical Compatibility  
University of Florida Board of Trustees  
\$42,547  
College of Engineering and Computer Science

### **Concha, Maritza**

Cancer Research Dissemination Partnership  
Central Florida Pharmacy Council, Inc.  
\$1,499  
College of Community Innovation and Education

**Cook, Jennifer**

WUCF 2022 Florida Department of State - Cultural Affairs  
Florida Department of State  
\$77,239  
Communications and Marketing

**Cortelyou-Ward, Kendall**

Project Opioid: Statewide Data Initiative  
Project Opioid Initiative, Inc.  
\$100,000  
College of Community Innovation and Education

**Divliansky, Ivan**

Spectral Beam Combining of Diode Lasers  
IntelliShot Holdings, Inc.  
\$10,000  
College of Optics and Photonics

**Ehrhart, Mark**

LOCI Planning & Adaptation for Washington State Mental Health  
University of Washington  
\$20,000  
College of Sciences

**Elgohary, Tarek | Dove, Adrienne**

Towards Onboard Real-Time Space Situational Awareness  
Lockheed Martin Corporation  
\$31,818  
College of Engineering and Computer Science

**Fiore, Stephen | Amon, Mary | Burke, Shawn**

Multi-Method Assessment of Attitudinal Factors Affecting Process and Performance in HAT  
U.S. Army Contracting Command  
\$169,999  
College of Arts and Humanities

**Gonzalez-Tennant, Edward**

A History of the Cummer Lumber Operations in Florida, with Special Attention to the 1923  
Rosewood Massacre  
Cummer Museum of Art & Gardens  
\$15,576  
College of Sciences

**Gryglewicz, Kimberley | Fisher, Kristina Childs**

Florida Pathways to Awareness, Support, and Services  
Substance Abuse & Mental Health Services Administration  
\$125,000  
College of Health Professions and Sciences

**Jenkins, Robert**

New Models of Nonlinear Waves Through Soliton Theory  
Simons Foundation  
\$8,400  
College of Sciences

**Kapat, Jayanta | Fernandez, Erik**

SEC Project on Transition Heat Transfer  
Siemens Energy, Inc.  
\$109,996  
College of Engineering and Computer Science

**Khondaker, Saiful**

Towards Developing a Wearable Stress Sensor Using Two-Dimensional Molybdenum Disulfide for the Health and Wellbeing of Astronauts  
NASA Shared Services Center  
\$25,000  
NanoScience Technology Center

**Khondaker, Saiful | Banerjee, Parag | Chen, Zhongzhou | Neupane, Madhab | Thomas, Jayan**

PREM Center for Ultrafast Dynamics and Catalysis in Emerging Materials  
National Science Foundation  
\$800,000  
NanoScience Technology Center

**Kim, Brian**

Simultaneous high-Density Mapping of Synaptic Neurochemical Transmissions and Action Potential in a Large Neural Network  
National Science Foundation  
\$400,000  
College of Engineering and Computer Science

**Logue, CarolAnn Dykes**

2021 Innovation Challenge Sponsorship with The Cairns Foundation, Inc. and The Paul B. Hunter and Constance D. Hunter Charitable Foundation, Inc.  
Various  
\$16,130  
Presidential Division

**Lyakh, Arkadiy**

High Performance Continuous Wave Quantum Cascade Lasers Immune to Output Facet Optical Damage  
IRGlare, LLC  
\$20,000  
NanoScience Technology Center

**McSurley, Oliver**

Professional Campus Recruitment Services  
Peace Corps  
\$17,467  
Academic Affairs

**Pang, Sean | Li, Guifang**

High-Speed Coherent Detection for Analog Photonic Accelerators  
Office of Naval Research  
\$299,507  
College of Optics and Photonics

**Renshaw, Kyle | Crabbs, Robert | Mahalanobis, Abhijit | Shah, Mubarak**

Vision-Based Positioning for Autonomous Navigation  
U.S. Army Contracting Command  
\$4,550,000  
College of Optics and Photonics

**Richardson, Kathleen | Gaume, Romain**

U-Win Seed Project  
Lockheed Martin Corporation  
\$45,455  
College of Optics and Photonics

**Sawyer, Ben D.**

Google Sawyer Contract  
Google  
\$50,000  
College of Engineering and Computer Science

**Seigneur, Hubert**

Developing PID Susceptibility Models for Bifacial PV Module Technologies  
U.S. Department of Energy  
\$881,059  
Florida Solar Energy Center

**Sohn, Yongho**

Inha-UCF Student Research Supervision AY21-22  
Inha University  
\$8,668  
Advanced Materials Processing and Analysis Center

**Strutt, Tara**

Harnessing Targeted IL-2 to Reduce Immunopathology and Enhance Immunity Against  
Respiratory Virus Infection  
National Institute of Allergy and Infectious Diseases  
\$380,000  
College of Medicine

**Su, Shiyang**

Illustration of a Discrete Choice Study That Will Assess People's Preference When Making a  
Therapeutic Decision  
LanneM TM, LLC  
\$3,656  
College of Sciences

**Vasquez, Trey**

Leveraging Robotics and STEM Environments to Teach Social Skills at the Elementary Level

Georgia State University

\$77,150

College of Community Innovation and Education

**Wahl, Thomas**

Incorporation of Climatic and Hydrologic Nonstationarity into FDOT Planning and Design Guidelines & Processes

Florida International University

\$45,000

College of Engineering and Computer Science

**Wilkerson, Amanda**

Culturally Relevant Messaging and the Political Socialization of HBCU Students

National Science Foundation

\$122,171

College of Engineering and Computer Science

**Yestrebsky, Cherie**

Post-Doctoral Applicant for Analysis of Lunar Volatiles Via a Mass Spectrometer System for Lunar Operations

NASA Kennedy Space Center

\$157,012

College of Sciences

**Yuksel, Murat**

Free-Space Optical Communication Subsystem for Wideband Wireless Networking

Intelligent Automation, Inc.

\$22,311

College of Engineering and Computer Science