Sponsored Awards in May 2024

Abdel-Aty, Mohamed; Islam, Zubayer
Optimization of Signal timing based on Pedestrian Intervals Using Computer Vision and Deep Learning Technology – Phase II
Florida Department of Transportation
$311,397
College of Engineering and Computer Science

Ahmed, Kareem
Hypersonic Dual-Mode Liquid Rotating Detonation Propulsion Engine
Texas A&M Engineering Experiment Station
$375,000
College of Engineering and Computer Science

Almagro-Moreno, Salvador
Vibrio2024: The International Meeting on the Biology of Vibrios
Burroughs Wellcome Fund
$10,000
College of Medicine

Alvarez, Sergio; Metzger, Philip
Communication & Space Debris: Connecting with Public Knowledges and Identities
Research Foundation of the State University of New York, The
$20,657
Office of Research

Banerjee, Parag; Gaume, Romain
Advanced Broadband Infrared Materials - UWIN 2024
Lockheed Martin Missiles and Fire Control
$30,000
College of Engineering and Computer Science
Carter, Shannon
Advancing Beyond Deficit Frameworks: How Joy is Cultivated Among Black Transgender and Nonbinary Young Adults in Florida (PI: Courtney Gardner)
American Sociological Association
$16,000
College of Sciences

Chaudhry, Shafaq; Hall, Matthew; Khan, Fahad; Yuksel, Murat
CC* Networking Infrastructure: FAN4Science: Flow-Aware Networking for Data-Intensive Science
National Science Foundation
$649,999
Office of Research

Doheny, Margaret; Lighthall, Nichole
The Effects of Digitally-mediated Communication on Social Decisions Across Adulthood
Learning Institute for Elders (LIFE), The
$2,100
College of Sciences

Dufner, Trevor
The Effects of Resveratrol Supplementation on Cardiovascular Function and Functional and Systemic Markers of Muscle Damage in Response to a Damaging Isoinertial Squat Protocol
GE Nutrients, Inc dba Gencor
$2,000
College of Health Professions and Sciences

Fang, Li
CAREER: Photo-induced Ultrafast Electron-nuclear Dynamics in Molecules
National Science Foundation
$187,696
College of Sciences

Fernandez-Valle, Cristina
Redox Signaling in Neurofibromatosis
Florida International University Board of Trustees, The
$10,380
College of Medicine
**Hamilton, Angela**  
Mass Personalization - Phase 2  
DM2 Research and Design, Inc.  
$150,000  
School of Modeling, Simulation, and Training

**Harris, David**  
Campus Scholars Program  
Foundation for Individual Rights and Expression  
$2,500  
College of Medicine

**Hudson, Darren; Amezcua Correa, Rodrigo**  
Study of Hollow Core Fiber Laser Amplification and Delivery  
Defense Engineering Corporation  
$40,000  
College of Optics and Photonics

**Kirkegard, Belinda**  
General Operational Support for NEC from BankUnited  
BankUnited, N.A.  
$12,000  
President

**Kuang, Lanlan**  
2024 Eurasia Foundation Grant Asian Humanities: East Asian Folk and Popular Cultures  
Eurasia Foundation  
$30,000  
College of Arts and Humanities

**Kwon, Seongchun**  
Central Florida Math Circle Enhancement  
Mathematical Association of America  
$5,000  
College of Sciences
**Lim, Ser Nam**  
PRIDE  
DSO NATIONAL LABORATORIES  
$1,155,278  
College of Engineering and Computer Science

**Malatyali, Ayse; Thiamwong, Ladda; Xie, Rui**  
Health Disparities in Presymptomatic Alzheimer’s Disease: Impact of Falls and Social-Behavioral Correlates  
Drs. Diane and Thomas Andrews Faculty Research Award  
$5,000  
College of Nursing

**Mansfield, Kate**  
Kemp’s Ridlley and Green Sea Turtle Tagging for Availability Bias Analysis  
HDR Environmental, Operations and Construction, Inc  
$60,352  
College of Sciences

**Mansfield, Kate; Seney, Erin**  
Bringing the UCF Marine Turtle Research Group Database into the 21st Century  
Sea Turtle Conservancy  
$17,354  
College of Sciences

**Mohapatra, Ram**  
Investigations in Applicable Mathematics  
Confidential Funder  
$42,500  
College of Sciences

**Morais Terra dos Santos, Pedrina**  
Johns Hopkins University Applied Physics Laboratory Data Campaign  
Johns Hopkins University Applied Physics Laboratory  
$6,391  
Office of Research
Moran, Kevin
Collaborative Research: SHF: Medium: Bug Report Management 2.0
William and Mary College
$70,425
College of Engineering and Computer Science

Raustad, Richard
Trane Trace 3D Plus Software Development Support TO8
S.E.I Associates
$170,397
Office of Research

Rawat, Yogesh Singh
Microsoft Research Award
Independent Donor Formerly Independent Contractor
$5,000
Office of Research

Razavi, Mehdi; Coathup, Melanie; Seal, Sudipta
Scalable Manufacturing of Nanobubbles via Ultrasonic Shearing for Biomedicine
National Science Foundation
$516,762
College of Medicine

Scheidell, Joy
Drug Treatment as Disease Prevention: Reducing Sexually Transmitted Infection Risk among Women Who Use Drugs
National Institute on Drug Abuse
$76,000
College of Health Professions and Sciences

Seigneur, Hubert
Team-up on Tackling Crises of Energy and Climate
Albany State University
$30,000
Office of Research
Shah, Mubarak; Atia, George; Boloni, Ladislau; Cai, Hanqin; Chen, Chen; Da Vitoria Lobo, Niels; Huang, Hsin-Hsiung; Moore, Brian; Pourmohammadi Fallah, Yaser; Rahnavard, Nazanin; Rawat, Yogesh Singh; Sukthankar, Gita; Xie, Rui
Scholarships, Academic, and Social Supports to Provide Low-Income Transfers Students Opportunities for Nurtured Growth in AI
National Science Foundation
$753,043
College of Engineering and Computer Science
Computer Science

Shah, Mubarak; Chen, Chen; Da Vitoria Lobo, Niels; Lim, Ser Nam; Rawat, Yogesh Singh
REU Site: Research Experience for Undergraduates in Computer Vision
National Science Foundation
$463,275
Office of Research

Tovbis, Alexander
Soliton Gases for the Focusing Nonlinear Schroedinger Equation and Other Integrable Systems: Theory and Applications
National Science Foundation
$172,211
College of Sciences

Vasu Sumathi, Subith
Laminar Flame Speed Testing for DME mixtures
Dimeta
$68,393
College of Engineering and Computer Science

Vela, Adan
Characterization of Violent Speech in Online Discourse
Oak Ridge Associated Universities
$100,000
College of Engineering and Computer Science

Wu, Shintson
Broadband Two-dimensional Laser Beam Deflectors
Immobileyes, Inc
$600,000
College of Optics and Photonics