



UNIVERSITY OF
CENTRAL FLORIDA

Monthly New Awards – May 2017

Ahmed, Kareem A.

Siemens: Laser Acoustic Thermography

Siemens Energy, Inc.

\$40,420

College of Engineering and Computer Science - Center for Advanced Turbomachinery and Energy Research / Mechanical and Aerospace Engineering

Aroian, Karen J.

Transdisciplinary Versus Usual Care for type 1 Diabetes in Adolescence

The Nemours Foundation

\$99,321

College of Nursing - Department of Graduate Studies

Baker, Thomas

Training for the Aruba Correctional Institute

Korrekctie Instituut Aruba

\$15,519

College of Health and Public Affairs - Criminal Justice

Barber, Daniel J.

HRI Driven Enhancements

General Dynamics

\$88,423

Institute for Simulation and Training - Prodigy Lab

Barber, Daniel J. / Reinerman, Lauren

Adaptive Multimodal Communication

General Dynamics

\$57,816

Institute for Simulation and Training / Prodigy Lab

Beato, Morris C.

University of Central Florida and Orlando Health Neurologic Residency

Academy of Neurologic Physical Therapy, Inc.

\$1,500

College of Health and Public Affairs - Health Professions

Boloni, Ladislau / Shumaker, Randall P.

Robot Behavior Changed Based on Social Context

General Dynamics

\$40,027

College of Engineering and Computer Science - Department of Computer Science / Institute for Simulation and Training

Burns, Teresa

2017 PEPSA

University of South Florida

\$16,600

College of Health and Public Affairs

Dvorak, Robert

Smoking Specific Response Inhibition Training Using Mobile Technology

American Lung Association

\$24,350

College of Sciences – Psychology

Fiore, Stephen M. / Shumaker, Randall P.

Understanding of Environment at Contextual and More Generalized Levels

General Dynamics

\$40,027

College of Arts and Humanities - Philosophy / Institute for Simulation and Training

Jentsch, Florian G. / Shumaker, Randall P.

A User-centered Design Approach to Creating Usable Naturalistic Communication Interfaces

General Dynamics

\$44,474

College of Sciences / Institute for Simulation and Training

Jentsch, Florian G. / Shumaker, Randall P.

Establishing Appropriate Human-Robot Trust through Empirically Validated Trainign Techniques:

Investigating Mental Models, Situational Risk and Trust

General Dynamics

\$40,027

College of Sciences / Institute for Simulation and Training

Jones, W. Linwood

Investigation of Rain-induced Oceanic Surface Salinity Stratification for SMAP

NASA Shared Services Center

\$475,152

College of Engineering and Computer Science - Department of Electrical and Computer Engineering

Jones, W. Linwood

TRMM 1B11 Support

NASA Shared Services Center

\$60,000

College of Engineering and Computer Science - Department of Electrical and Computer Engineering

Kaden, William Edward

XPS Characterization of Organic Molecules Bound to Functionalized Si(111) Interfaces

Nanofactory Corporation

\$12,736

College of Sciences – Physics

Karwowski, Waldemar

Northrop Grumman Work Experience Program for Future Master Planners and Schedulers

Northrop Grumman Systems Corporation

\$100,000

College of Engineering and Computer Science - Industrial Engineering and Management Systems

Kauffman, Jeffrey

Integrated Smart Turbomachinery Blades for Cooperative Vibration Reduction

Office of Naval Research

\$510,000

College of Engineering and Computer Science - Mechanical and Aerospace Engineering

Lowvorn, Blake

2017 Student Internship Program Grant

Spencer Educational Foundation, Inc.

\$5,000

Administration and Finance - Environmental Health and Safety

Mingareev, Helene

Barium Silicate Glass Services

OptiGrate Corporation

\$15,000

College of Optics and Photonics - CREOL

Moreto, William De Jesus

The Winter Park Property Crime Assessment Project

Various

\$25,000

College of Health and Public Affairs - Criminal Justice

Orlovskaya, Nina

SURF Gaithersburg

US Department of Commerce/National Institute of Standards and Technology

\$18,709

College of Engineering and Computer Science - Mechanical and Aerospace Engineering

Parks, Griffith Davis

Role of Complement in Nipah Virus Pathogenesis

National Institute of Allergy and Infectious Diseases

\$423,120

College of Medicine - School of Biomedical Science

Pourmohammadi Fallah, Yaser

Cooperative Vehicle Safety Communication Emulator

Ford Motor Company

\$50,000

College of Engineering and Computer Science - Department of Electrical and Computer Engineering

Raustad, Richard A.

Energy Conservation Outreach Initiative for the Associated Gas Distributors of Florida

Associated Gas Distributors of Florida

\$13,479

Florida Solar Energy Center

Rivera, Manuel A. / Wang, Youcheng

2017 Business Entrepreneurship in Latin America Conference

Viajar de Columbia

\$18,000

Rosen College of Hospitality Management - Dick Pope, Sr. Institute for Tourism Studies

Savage, Anna E. / Hinkle, Charles R. / Hoffman, Eric

Using Genetics and Ecology to Identify Optimal Conservation Strategies for Florida Scrub-jays

(*Aphelocoma coerulescens*) Impacted by Habitat Loss

Florida Department of Transportation

\$232,954

College of Sciences - Biology

Savage, Anna E. / Mansfield, Katherine

Identifying Genetic and Pathogen Driver's of Fibropapillomatosis in Florida's Juvenile Green and Loggerhead Sea Turtles

Sea Turtle Conservancy

\$17,631

College of Sciences – Biology

Seal, Sudipta

Conjugated Nanoceria for ROS Optimization in Wounds

University of Colorado

\$50,000

Advanced Materials Processing and Analysis Center / NanoScience Technology Center

Seney, Erin E. / Mansfield, Katherine

Diet Characterization of Green Loggerhead and Kemp's Ridley Turtles in Florida Year 2

Sea Turtle Conservancy

\$11,068

College of Sciences – Biology

Singh, Arvind Kumar

Signal Propagation From Space to Time: Implications to Modeling Stratigraphic Record

American Chemical Society (ACS)

\$110,000

College of Engineering and Computer Science

Song, Sang-Eun

N95 Respirator Redesign

National Collegiate Inventors and Innovators Alliance

\$5,000

College of Engineering and Computer Science - Mechanical and Aerospace Engineering

Southwell, Amber Lee

Investigating Mutant Huntingtin Protein in the Cerebrospinal Fluid to Refine its Use as a Biomarker in Huntingtin Lowering Clinical Trials (Fellowship for Chris Yanick)

Huntington's Disease Society of America

\$4,500

College of Medicine - School of Biomedical Science

Sugaya, Kiminobu

Demonstration of Therapeutic Activity of Naclynamide™ for Alzheimer's Disease

TherimuneX Pharmaceuticals, Inc.

\$288,947

College of Medicine - School of Biomedical Science

Thomas, Jayan / Seal, Sudipta

Highly Conductive Carbon Nanostructure Based Ink Formulation for Inkjet Printers

Lockheed Martin Corporation

\$80,000

Advanced Materials Processing and Analysis Center / NanoScience Technology Center

Wang, Jun

DURIP: Next-Generation All Flash Big Data Parallel Processing Engine for Mobile Computing

US Army Contracting Command

\$49,800

College of Engineering and Computer Science - Department of Electrical and Computer Engineering

Weiss, Joanne F.

Empowering Parents to Empower Youth Through Healthy Sex Chats

UCF Foundation, Inc.

\$4,990

College of Nursing

Zhai, Dr. Lei

Adhesion and Strength Enhancement of PBO

Lockheed Martin Rotary and Mission System

\$90,000

College of Sciences - Chemistry / NanoScience Technology Center