



UNIVERSITY OF
CENTRAL FLORIDA

Monthly New Awards - December 2017

Abdel-Aty, Mohamed A.

Evaluation of Innovative Alternative Intersection Designs in the Development of Safety Performance Functions and Crash Modification Factors

Florida Department of Transportation

\$397,931

College of Engineering and Computer Science - Civil, Environmental, and Construction Engineering

Ahmed, Kareem A.

Air Force Phase II: High-Speed Measurements of Flame-Stabilization Processes in Vitiated Augmentor Combustor

Creare, LLC

\$299,999

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

Bridge, Candice M.

Identification and Detection of Cosmetics Transferred during Personal Attacks National Institute of Justice

\$150,000

College of Sciences - Chemistry / National Center for Forensic Science

Britt, Daniel T.

Science Team Member for the New Horizon's Kuiper Belt Extended Mission

Southwest Research Institute

\$29,857

College of Sciences – Physics

Chini, Jacquelyn J. / Hughes, Charles E. / Saitta, Erin K.

Simulated Practice: Using Socially-Responsive Avatars to Prepare STEM GTAs for Student-Centered Instruction

National Science Foundation

\$599,999

College of Sciences - Physics / College of Engineering and Computer Science - Department of Computer Science / College of Sciences – Chemistry

Chow, Louis C.

Thermal Management of Electromechanical Machines for Aerospace Systems

North Carolina A&T State University

\$14,798

College of Engineering and Computer Science - Mechanical and Aerospace Engineering

Copik, Alicja

Research Collaboration with Cyto-Sen Project #2
Cyto-Sen Therapeutics, Inc.
\$124,971
College of Medicine - School of Biomedical Science

Crabbs, Robert F.

Modeling of the Lower Atmosphere to Facilitate Improved Laser Propagation
Office of Naval Research
\$115,521
College of Optics and Photonics – CREOL

Donley, Amy M.

Motivations Among Parents that Seek Exemptions for Vaccinations: A Focus Group Study
Florida Department of Health
\$9,557
College of Sciences – Sociology

Driggers, Ronald G.

Longwave Infrared Pitch-Well-Processing (PWP) Proof of Concept
DRS Network & Imaging Systems, LLC
\$190,000
College of Optics and Photonics - CREOL

Driggers, Ronald G.

Redstone Infrared Signature and L3 IRST Calculation Support
St. Johns Optical Systems, LLC
\$45,371
College of Optics and Photonics - CREOL

Duranceau, Steven J.

Service Authorization No. 14-058-06 Turner Road Tray Aerator Total Trihalomethane Reduction
Evaluation
Polk County
\$29,539
College of Engineering and Computer Science - Civil, Environmental, and Construction Engineering

Ehrhart, Mark

Testing the Leadership and Organizational Change for Implementation (LOCI) Intervention in
Substance Abuse Treatment Programs
The Regents of The University of California
\$43,957
College of Sciences – Psychology

Fernandez-Valle, Cristina M.

YAP Compound Screen Against NF2 Model Schwann Cell Lines

Vivace Therapeutics, Inc.

\$22,287

College of Medicine - School of Biomedical Science

Fjelstul, Jill K. / Fyall, Alan D. / Tasci, Asli Deniz Asiye

Researching Loyalty in the Competitive Junior Tennis Market

United States Tennis Association

\$25,000

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

Georgiopoulos, Michael

CECS STEM Continuation - BBA

BBA Aviaton USA Inc.

\$5,704

College of Engineering and Computer Science - Deans Office

Georgiopoulos, Michael

CECS STEM Continuation - Cameron

Cameron Resources Group LLC

\$1,544

College of Engineering and Computer Science - Deans Office

Georgiopoulos, Michael

CECS STEM Continuation - DiCapta

Dicapta

\$701

College of Engineering and Computer Science - Deans Office

Kaden, William Edward

Development of Atomically Planar, Well-Ordered Molybdenum-Nitride Thin-Films for Phase-Specific Surface-Science Model-Catalysis Studies

American Chemical Society

\$110,000

College of Sciences - Physics

Kapat, Jayanta S.

SEC Project: Advanced Cooling Technologies

Siemens Energy, Inc.

\$100,136

College of Engineering and Computer Science - Center for Advanced Turbomachinery and Energy Research (CATER)

Kider Jr., Joseph Theodore

Synthetic Imagery Tool to Create Lightmaps for Multi-Spectral Image Rendering

Cornerstone Software Solutions

\$50,000

Institute for Simulation and Training

Kim, Yoon-Seong / Han, Kyu Young / Tatulian, Suren A.

Contribution of Transcriptional Mutagenesis of Oxidative DNA Lesions to Generating New Mutant

Alpha-Synuclein Species and Aggregation Toward the Pathogenesis of Parkinson's Disease

National Institute of Neurological Disorders and Stroke

\$365,000

College of Medicine - School of Biomedical Science / College of Optics and Photonics - CREOL /

College of Sciences – Physics

Miller, Ann Elizabeth

Promotion of Communication in Emerging Democracies

National Communication Association

\$740

College of Sciences - Nicholson School of Communication

O'Neal, Thomas P.

Volusia County Client Showcase

Various

\$2,000

Office of Research and Commercialization

O'Neal, Thomas P.

Volusia County Local Hack Day Event

Various

\$2,000

Office of Research and Commercialization

Qi, Junjian

Enhancing Power System Resilience and Cybersecurity by Advanced Analytics

UChicago Argonne, LLC

\$100,000

College of Engineering and Computer Science (CECS) - Department of Electrical and Computer

Engineering / Faculty Cluster Initiative - Renewable Energy Systems

Sadmani, A. H. M. Anwar / Zhai, Lei

Removal of Heavy Metals from Landfill Leachate using Polyelectrolyte Complex Membranes

University of Florida Board of Trustees

\$45,000

College of Engineering and Computer Science - Civil, Environmental, and Construction Engineering /

College of Sciences - Chemistry / NanoScience Technology Center

Sigman, Michael / Williams, Mary R.

Development and Implementation of a Fire Debris Inference Validation Database: Moving to Probabilistic Statements of the Strength of the Evidence

National Institute of Justice

\$496,976

College of Sciences - National Center for Forensic Science

Yuksel, Murat

Modeling and Development of Resilient Communication for First Responders in Disaster Management

The Regents of The University of California

\$270,000

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