

Grants Awarded Report

From: 9/1/19 to 9/30/19

Project Title: *Developing a Signal Processing Toolbox for Air Pollution Monitoring and Remediation Applications*

Agency: *Private Funder*

Activation Amount: \$4,494

Personnel: *Ahmad Vaselbehagh*

Project Title: *National Strings Project*

Agency: *National Strings Project Consortium (NSPC)*

Activation Amount: \$4,250

Personnel: *Dan Allcott, PI, Mia Hagarty, Co-PI*

Project Title: *Geologic Mapping and Stratigraphic Analyses of Terraced Fan Deposits*

Agency: *NASA Shared Services Center (NSSC)*

Activation Amount: \$53,760

Personnel: *Jeannette Wolak, PI*

Project Title: *Factors Affecting Sanctuary Use by Mallards*

Agency: *U.S. Fish and Wildlife Service*

Activation Amount: \$27,867

Personnel: *Bradley Cohen, PI*

Project Title: *Restoration of the Rare Blotchside Logperch Fish to Abrams Creek*

Agency: *U.S. Department of the Interior, National Park Service*

Activation Amount: \$15,400

Personnel: *Amanda Rosenberger, PI*

Project Title: *Student Capstone Design Project*

Agency: *Private Funder*

Activation Amount: \$10,000

Personnel: *Andy Pardue, PI*

Project Title: *Investigating Factors that Influence Hypoxia and Denitrification in Aquatic Agroecosystems*

Agency: *U.S. Department of Agriculture (USDA) – ARS*

Activation Amount: \$10,000

Personnel: *Justin Murdock, PI*

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From: 9/1/19 to 9/30/19

Project Title: Tennessee Heelsplitter (*Lasmigona holsonia*) Distribution and Habitat Use

Agency: U.S. Geological Society

Activation Amount: \$55,000

Personnel: Amanda Rosenberger, PI

Project Title: CyberTraining: CDL: iPDC – Summer Institute for Integrating Parallel and Distributed Computing in Introductory Programming Classes

Agency: National Science Foundation

Activation Amount: \$179,396

Personnel: Sheikh Ghafoor, PI, Mike Rogers, Co-PI

Project Title: National Space Grant College and Fellowship Program

Agency: NASA via Vanderbilt University

Activation Amount: \$37,600

Personnel: Mary Kidd, PI

Project Title: National Digital Car Seat Check Form (NDCF)

Agency: NHTSA via National Safety Council

Activation Amount: \$75,000

Personnel: Kevin Liska, PI, Julie Brewer, Co-PI

Project Title: TTU/CRMC Nursing Research Collaboration

Agency: Cookeville Regional Medical Center

Activation Amount: \$12,053

Personnel: Susan Piras, PI

Project Title: Public-Private Partnership to Promote Efficient Manufacturing and Workforce Development

Agency: U.S. Department of Energy

Activation Amount: \$30,000

Personnel: Glenn Cunningham, PI, Ethan Languri, Co-PI

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From: 9/1/19 to 9/30/19

Project Title: Supplement to: Development and Validation of Low-Cost, Highly-Durable, Spinel-Based Contact Materials for SOFC Cathode-Side Contact Application

Agency: U.S. Department of Energy, Office of Fossil Energy

Activation Amount: \$50,028

Personnel: Jiahong Zhu, PI

Project Title: Development and Improvement of High-Resolution Flood2D-GPU Modeling for Titan HPC Environment

Agency: UT-Battelle, LLC. via ORNL

Activation Amount: \$74,048

Personnel: Alfred Kalyanapu, PI, Sheikh Ghafoor, Co-PI

Project Title: Modular Approaches to “Click” Complexants for Chemoselective...

Agency: U.S. Department of Energy

Activation Amount: \$94,802

Personnel: Jesse Carrick, PI, Cory Hawkins, Co-PI

Project Title: SG: Phylogenomics and Diversification of the Snapping Shrimp Genus *Alpheus*

Agency: National Science Foundation

Activation Amount: \$69,439

Personnel: Carla Hurt, PI

Project Title: Mixed Matrix Membranes for Broader Wastewater Reclamation

Agency: National Science Foundation, Graduate Research Fellowship Office

Activation Amount: \$46,000

Personnel: Haley White, student, Alice Camuti, PI, Laura Arias-Chavez, Co-PI

Project Title: Collaborative Research: CyberTraining: Pilot: Semi-Automatic Assessment of Parallel Programs in
Training of Students and Faculty

Agency: National Science Foundation

Activation Amount: \$39,881

Personnel: Sheikh Ghafoor, PI, Ada Haynes, Co-PI
