

# ***Grants Awarded Report***

**From: 8/1/19 to 8/31/19**

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***Project Title:*** High Performance Laboratory-Scale Gas Atomizer for Materials and Coatings Research

***Agency:*** U.S. Department of Defense

***Activation Amount:*** \$315,000

***Personnel:*** Ying Zhang, PI

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***Project Title:*** Supplement to: Tennessee Cybercorps: A Hybrid Program in Cybersecurity – A Series of “Cyber-Encounters” to Address Gap in High School Cyber Education

***Agency:*** National Science Foundation

***Activation Amount:*** \$358,583

***Personnel:*** Ambareen Siraj, PI, Doug Talbert, Co-PI

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***Project Title:*** Development of Surrogate-Machine Learning Modules for Anomaly Detection and Classification in Metal Additive Manufacturing Process

***Agency:*** Private Funder

***Activation Amount:*** \$46,000

***Personnel:*** Duckbong Kim, PI

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***Project Title:*** Tracking Water Storage in Lakes: Citizens and Satellites – Implementation Phase

***Agency:*** National Aeronautics and Space Administration (NASA) via UNC – Chapel Hill

***Activation Amount:*** \$83,495

***Personnel:*** Sheikh Ghafoor, PI

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***Project Title:*** Life History, Habitat Use, Genetic Uniqueness of Longnose Darter

***Agency:*** Missouri Department of Conservation

***Activation Amount:*** \$39,435

***Personnel:*** Amanda Rosenberger, PI

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***Project Title:*** The STEM Foundry Heritage Fellows Program

***Agency:*** Tennessee Board of Regents (TBR)

***Activation Amount:*** \$25,000

***Personnel:*** Andrea Arce-Trigatti, PI, Stephanie Jorgensen, Co-PI, Robby Sanders, Co-PI, Carlos Galindo, Co-PI, Darek Potter, Co-PI, Pedro Arce, Co-PI

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**From: 8/1/19 to 8/31/19**

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***Project Title:*** *CYSP Student Recruitment Proposal*

***Agency:*** *U.S. Department of Defense*

***Activation Amount:*** *\$256,051*

***Personnel:*** *Ambareen Siraj, PI, Eric Brown, Co-PI*

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***Project Title:*** *Mallard Use of West Tennessee Wetlands*

***Agency:*** *Tennessee Wildlife Resources Agency (TWRA)*

***Activation Amount:*** *\$425,706*

***Personnel:*** *Bradley Cohen, PI*

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***Project Title:*** *Evaluation of Nonlinear Interactions Between Tropical Storm Cyclone Storm Surge and Rainfall-Runoff*

***Agency:*** *National Science Foundation – Graduate Research Fellowship Program*

***Activation Amount:*** *\$46,000*

***Personnel:*** *John Brackins, student, Alice Camuti, PI, Alfred Kalyanapu, Co-PI*

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***Project Title:*** *2020 Drug Abuse Education Tool, Reality Is...app*

***Agency:*** *Tennessee Department of Finance, Office of Inspector General*

***Activation Amount:*** *\$50,000*

***Personnel:*** *Kevin Liska, PI*

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