

# ***Grants Awarded Report***

**From: 10/1/19 to 10/31/19**

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***Project Title:*** HUB Operations & Innovative Educator Workshops

***Agency:*** Battelle

***Activation Amount:*** \$29,679

***Personnel:*** Darek Potter, PI

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***Project Title:*** Simulation of HF Inverter Circuits for High-Power Wireless Charging

***Agency:*** Oak Ridge National Laboratory (ORNL)

***Activation Amount:*** \$12,234

***Personnel:*** Satish Mahajan, PI

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***Project Title:*** Tennessee Early Childhood Training Alliance

***Agency:*** Tennessee Department of Human Service via Tennessee State University

***Activation Amount:*** \$521,248

***Personnel:*** Melinda Anderson, PI

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***Project Title:*** Investigating Early Transition Metal Dopant Effects in Cobalt Free Lithium ion Batteries

***Agency:*** Oak Ridge National Laboratory

***Activation Amount:*** \$54,255

***Personnel:*** Indranil Bhattacharya, PI

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***Project Title:*** Developing an EV Demonstration Testbed in the Upper Cumberland Region of Tennessee, an  
Economically Distressed Rural Region

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

***Activation Amount:*** \$476,703

***Personnel:*** Pingen Chen, PI, Steve Canfield, Co-PI, Indranil Bhattacharya, Co-PI, Vahid Motevalli, Co-PI, Joseph Ojo, Co-PI

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***Project Title:*** Development of Corrosion- and Erosion-Resistant Coatings for Advanced Ultra-Supercritical Materials

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

***Activation Amount:*** \$580,821

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

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# ***Grants Awarded Report***

**From: 10/1/19 to 10/31/19**

**Project Title:** *Collaborative Research: Software Engineering Workforce Development in High Performance Computing for Digital Twins*

**Agency:** *National Science Foundation*

**Activation Amount:** \$42,365

**Personnel:** *Jerry Gannod, PI, Sheikh Ghafoor, Co-PI*

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**Project Title:** *Analysis of Habitat for Reintroduction of the Blotchside Logperch (*Percina burtoni*)*

**Agency:** *Tallahassee Fund via Tennessee Wildlife Resources Agency*

**Activation Amount:** \$19,090

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

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**Project Title:** *Detection and Analysis of Malware in Critical Infrastructure*

**Agency:** *Oak Ridge National Laboratory*

**Activation Amount:** \$16,285

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

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**Project Title:** *TN Traffic Safety Resources and Occupant Protection*

**Agency:** *TN Highway Safety Office*

**Activation Amount:** \$989,391

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

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**Project Title:** *EAGER: SitS: A Multi-Sensor Probe Network for Continuous Monitoring of the Soil Health*

**Agency:** *National Science Foundation*

**Activation Amount:** \$74,012

**Personnel:** *Charles VanNeste, PI, Satish Mahajan, Co-PI, Brian Leckie, Co-PI*

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**Project Title:** *AEOP Battelle Consortium*

**Agency:** *Battelle*

**Activation Amount:** \$93,236

**Personnel:** *Sally Pardue, PI*

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**Project Title:** *Maker Minded State Expansion*

**Agency:** *Private Funder*

# ***Grants Awarded Report***

**From: 10/1/19 to 10/31/19**

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

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

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**Project Title:** Supplement to Tennessee Cybercorps: A Hybrid Program in Cybersecurity – Community College

**Inclusion – 2018-2021**

**Agency:** National Science Foundation

**Activation Amount:** \$93,154

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

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**Project Title:** Mobile Additive Manufacturing Platform for the 21<sup>st</sup> Century STEM Workforce Enhancement

**Agency:** National Science Foundation via Somerset Community College

**Activation Amount:** \$87,949

**Personnel:** Ismail Fidan, PI,

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