

4/1/20 - 6/30/20

AWARD TITLE	AWARD AMOUNT	AWARD PI	SPONSOR	AWARD ADMIN DEPT
1799-TRP: Validation of Extrapolation of Performance Rating Test Results for Small Energy Exchangers to Large Exchangers	\$60,149.00	Wang, Weimin	Intertek Group PLC	Engineering Technology and Construction Management
Accelerating development of vitrification compositions and methodology via quantification and enhancement of cryoprotective solution penetration into tissues.	\$55,223.00	Elliott, Gloria	Hirsch Foundation	Mechanical Engineering and Engineering Science
Analyze total PFAS concentrations after an AFFF spill event	\$18,000.00	Sun, Mei	North Carolina Policy Collaboratory	Civil and Environmental Engineering
Analyze total PFAS concentrations after an AFFF spill event	\$500.00	Sun, Mei	North Carolina Policy Collaboratory	Civil and Environmental Engineering
Battery damage and thermal heating under impact and/or crash conditions	\$50,000.00	Xu, Jun	Altair Engineering, Inc.	Mechanical Engineering and Engineering Science
Charlotte Water Technical Services and Student Experiential Learning FY 19-21	\$259,515.00	Keen, Olya	City of Charlotte	Civil and Environmental Engineering
Compliance of Regulatory Inspection and Testing Requirements Using Non-Destructive Evaluation (NDE)	\$31,932.00	Cox, Robert	GE Hitachi Nuclear Energy	Energy Production and Infrastructure Center
Excitons and exciton-polaritons in novel organic-inorganic hybrids with sub-nano inorganic layers	\$132,191.00	Zhang, Yong	DOD DA Army Research Office (ARO)	Electrical and Computer Engineering
Full Scale Testing Program of Tindall T-Slab System	\$69,031.00	Braxtan, Nicole	Tindall Corporation	Civil and Environmental Engineering
Implementation of a Micro Factory Concept for Component Repair Applications	\$50,000.00	Tarbutton, Joshua	Siemens Corporate Technology	Energy Production and Infrastructure Center
Integration of NCROEP Projects Towards a Hybrid MHK System at Jennettes Pier	\$4,222.00	Williams, Wesley	UNC Coastal Studies Institute (UNC-CSI)	Engineering Technology and Construction Management
Leveraging Distributed Manufacturing Assets	\$60,000.00	Tarbutton, Joshua	Siemens Corporate Technology	Energy Production and Infrastructure Center
Multiphysics cylindrical battery modeling upon mechanical abusive loading	\$40,000.00	Xu, Jun	Dassault Systemes Simulia Corp	Mechanical Engineering and Engineering Science
NCDOT Center of Excellence on Connected and Autonomous Vehicles	\$31,180.00	Fan, Wei	North Carolina Agricultural and Technical State University (NCAT)	Civil and Environmental Engineering
NCHRP 13-06A [RFP] Guide for the Formulation of Long-Range Plans and Budgets for Replacement of Highway Operations Equipment	\$5,055.00	Fan, Wei	NCSU Office of Research Innovation and Economic Development	Civil and Environmental Engineering
Performance Testing of an Integrated Magnetic Power Take-Off: DOE cost share	\$18,766.00	Williams, Wesley	UNC Coastal Studies Institute (UNC-CSI)	Engineering Technology and Construction Management
Phase 2 NAFC Recruitment and Retention Study	\$39,951.00	Kimble, Jeffrey	International Association of Fire Chiefs (IAFC)	Engineering Technology and Construction Management
Predictive highway maintenance through automated visual analytics and hotspot analysis.	\$153,614.00	Shoghli, Omidreza	Leidos Holdings, Inc.	Engineering Technology and Construction Management
Quantifying California Municipal Wastewater Discharge Contributions to Streams for Pesticide Source Modeling	\$149,916.00	Rice, Jacelyn	California Department of Pesticide Regulations	Engineering Technology and Construction Management
Retooling Veterans with Service- and Combat-Connected Disabilities in Advanced Virtual Engineering	\$250,000.00	Uddin, Mesbah	DOD DN Office of Naval Research (ONR)	Motorsports and Automotive Research Center
SpecEES: Intelligent Energy Efficient Spectrum Access for Wireless IoT	\$16,000.00	Xie, Jiang	National Science Foundation (NSF)	Electrical and Computer Engineering
Tier 1 (Improving Mobility) Advanced Multimodal Mobility Solutions and Education	\$1,427,900.00	Fan, Wei	US Department of Transportation (DOT)	Civil and Environmental Engineering
USE OF ORGANOSILANES TO MITIGATE THE IMPACT OF FREEZE-THAW DAMAGE TO THE GRANULAR ROADWAYS IN IOWA	\$90,259.00	Daniels, John	Michigan State University (MSU)	Civil and Environmental Engineering
Total	\$3,457,179.00			