

College of Engineering Quarterly Award Report

1/1/2020 - 3/31/2020

AWARD TITLE	AWARD AMOUNT	AWARD PI	SPONSOR	AWARD ADMIN DEPT
Air Force University Engineering Design Challenge	\$25,000.00	Browne, Aidan	DZYNE Technologies Incorporated (DZYNE)	Engineering Technology and Construction Management
Analyze adsorbable fluorine contents in samples from Battelle	\$1,400.00	Sun, Mei	Battelle	Civil and Environmental Engineering
Coordinated Control and Stability Analysis of Multi-Port Series-Stacked PV-Battery Converter Architecture	\$65,116.00	Cox, Robert	DOE Oak Ridge National Laboratories	Electrical and Computer Engineering
Correlative study of defects in semiconductors	\$35,116.00	Zhang, Yong	DOD DA Army Research Office (ARO)	Electrical and Computer Engineering
Enhanced Optical Measurement Technologies	\$324,789.00	Morse, Edward	Honeywell, Inc.	Mechanical Engineering and Engineering Science
Freeform optics metrology round robin	\$55,064.00	Evans, Christopher	University of Rochester	Mechanical Engineering and Engineering Science
High-speed Machining & Metrology for Freeform Lens Arrays & Multi-Sided Freeforms	\$35,516.00	Davies, Matthew	University of Rochester	Mechanical Engineering and Engineering Science
High-speed manufacturing of monolithic silicon carbide freeform imaging systems	\$63,173.00	Davies, Matthew	University of Rochester	Mechanical Engineering and Engineering Science
IGE: Reimagining the STEM Doctorate: The Pathways to Entrepreneurship (PATENT) program	\$500,000.00	Ramaprabhu, Praveen	National Science Foundation (NSF)	Mechanical Engineering and Engineering Science
In-Situ Metrology with 3D-Display Deflectometry	\$59,236.00	Falaggis, Konstantinos	University of Rochester	Center for Precision Metrology
International Facility Management Association Operations and Maintenance Report	\$100,000.00	Smithwick, Jake	International Facility Management Association (IFMA)	Engineering Technology and Construction Management
Marshall Research Phase V	\$137,477.00	Kamalasadan, Sukumar	Duke Energy Corporation	Energy Production and Infrastructure Center
NC DOT CoE Advanced Transportation Technologies (UNC CH HSRC)	\$70,282.00	Pulugurtha, Srinivas	University of North Carolina at Chapel Hill (UNC-CH)	Civil and Environmental Engineering
NCEMC Very Short Term Load Forecasting	\$100,000.00	Hong, Tao	North Carolina Association of Electric Cooperatives (NCAEC)	Energy Production and Infrastructure Center
Regenerative Media Filter Testing For Removing Crypto-sized Particles in Aquatic Venues	\$100,000.00	Amburgey, James	Evoqua Water Technologies, LLC	Civil and Environmental Engineering
SBIR: LightSecure Freeform See-Through Display	\$49,253.00	Davies, Matthew	Nanohmics, Inc.	Mechanical Engineering and Engineering Science
SBIR: Real-time Muzzle Velocity Feedback System Using Electric Field Sensors	\$34,059.00	Noras, Maciej	Triton Systems, Inc	Engineering Technology and Construction Management
Senior Design Program Fee Funding for Small Business	\$30,000.00	Hartman, James	North Carolina State University (NCSU)	Student Development and Success
Support for Development of an AIERCI Tool to Ensure Uninterrupted Energy Flow from Cyber Attacks Targeting Essential Forecasting Data for Grid Operations	\$59,870.00	Hong, Tao	DOE Brookhaven National Laboratory	Energy Production and Infrastructure Center
Surface evaluation of powder bed fusion metal additive manufactured samples	\$223,165.00	Evans, Christopher	Carl Zeiss Industrial Metrology, LLC	Mechanical Engineering and Engineering Science
Total	\$2,068,516.00			