## 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	\$25,000.00	Browne, Aidan	DZYNE Technologies Incorporated (DZYNE)	Engineering Technology and Construction
Challenge	723,000.00	browne, Addin	BETTAL Technologies incorporated (BETTAL)	Management
Analyze adsorbable fluorine contents in	\$1,400.00	Sun, Mei	Battelle	Civil and Environmental Engineering
samples from Battelle	71,400.00	Sun, wier	buttene	civil and Environmental Engineering
Coordinated Control and Stability Analysis of	\$65,116.00	Cox, Robert	DOE Oak Ridge National Laboratories	Electrical and Computer Engineering
Multi-Port Series-Stacked PV-Battery	Ç03,110.00	COX, NODELL	DOL Oak Mage National Laboratories	Liectifical and computer Engineering
1				
Converter Architecture	Ć2F 11C 00	7hana Vana	DOD DA Arrey Besserch Office (ADO)	Flootrical and Committee Fusions vine
Correlative study of defects in	\$35,116.00	Zhang, Yong	DOD DA Army Research Office (ARO)	Electrical and Computer Engineering
semiconductors	4004 700 00			
Enhanced Optical Measurement	\$324,789.00	Morse, Edward	Honeywell, Inc.	Mechanical Engineering and Engineering
Technologies				Science
Freeform optics metrology round robin	\$55,064.00	Evans, Christopher	University of Rochester	Mechanical Engineering and Engineering Science
High-speed Machining & Metrology for	\$35,516.00	Davies, Matthew	University of Rochester	Mechanical Engineering and Engineering
Freeform Lens Arrays & Multi-Sided				Science
Freeforms				
High-speed manufacturing of monolithic	\$63,173.00	Davies, Matthew	University of Rochester	Mechanical Engineering and Engineering
silicon carbide freeform imaging systems	. ,	,	,	Science
IGE: Reimagining the STEM Doctorate: The	\$500,000.00	Ramaprabhu, Praveen	National Science Foundation (NSF)	Mechanical Engineering and Engineering
Pathways to Entrepreneurship (PAtENT)	<b>\$300,000.00</b>	namapraona, rraveen	Traditional science i samuation (its.)	Science
program				Science
In-Situ Metrology with 3D-Display	\$59,236.00	Falaggis, Konstantinos	University of Rochester	Center for Precision Metrology
Deflectometry	\$39,230.00	r alaggis, Kollstalitillos	Offiversity of Rochester	Center for Frecision Wetrology
International Facility Management	\$100,000.00	Smithwick, Jake	International Excility Management	Engineering Technology and Construction
Association Operations and Maintenance	\$100,000.00	Sillitiwick, Jake	International Facility Management Association (IFMA)	Engineering Technology and Construction  Management
•			ASSOCIATION (IFIVIA)	ivianagement
Report	6427.477.00	Kanadan Culuman	Dula Farana Camanatian	For any Decidentian and Information Control
Marshall Research Phase V	\$137,477.00	Kamalasadan, Sukumar	Duke Energy Corporation	Energy Production and Infrastructure Center
NCDOT CoE Advanced Transportation	\$70,282.00	Pulugurtha, Srinivas	University of North Carolina at Chapel Hill	Civil and Environmental Engineering
Technologies (UNC CH HSRC)			(UNC-CH)	
NCEMC Very Short Term Load Forecasting	\$100,000.00	Hong, Tao	North Carolina Association of Electric	Energy Production and Infrastructure Center
			Cooperatives (NCAEC)	
Regenerative Media Filter Testing For	\$100,000.00	Amburgey, James	Evoqua Water Technologies, LLC	Civil and Environmental Engineering
Removing Crypto-sized Particles in Aquatic	, ,	0 //		
Venues				
SBIR: LightSecure Freeform See-Through	\$49,253.00	Davies, Matthew	Nanohmics, Inc.	Mechanical Engineering and Engineering
Display	<i>ϕ</i> 10,200100		,	Science
SBIR: Real-time Muzzle Velocity Feedback	\$34,059.00	Noras, Maciej	Triton Systems, Inc	Engineering Technology and Construction
System Using Electric Field Sensors	φ3 1,033.00	inoras, maciej	The systems, me	Management
System Osing Electric Field Sensors				Wallagement
Senior Design Program Fee Funding for Small	\$30,000.00	Hartman, James	North Carolina State University (NCSU)	Student Development and Success
Business	\$50,000.00			Title I creispinent and success
Support for Development of an AIERCI Tool	\$59,870.00	Hong, Tao	DOE Brookhaven National Laboratory	Energy Production and Infrastructure Center
to Ensure Uninterrupted Energy Flow from	\$33,070.00		552 Stockhaven Hadional Eaboratory	z
Cyber Attacks Targeting Essential Forecasting				
Data for Grid Operations				
Confess such obtains of poundary had firsters	¢222.465.60	Franc Christenhau	Cord Toign In disparial Matural and U.C.	Machanian Fasing and Sasing and
Surface evaluation of powder bed fusion	\$223,165.00	Evans, Christopher	Carl Zeiss Industrial Metrology, LLC	Mechanical Engineering and Engineering
metal additive manufactured samples				Science
Total	\$2,068,516.00			