

January 28, 2019

The Office of Research and Economic Development is pleased to announce awards received by UNC Charlotte Researchers in the month of December 2018.

*Total amount awarded for the month of June was \$1,558,409*

*Fiscal Year To Date Total: \$27,910,235*

<b>Award Title</b>	<b>Amount</b>	<b>Investigators</b>	<b>PI Dept.</b>	<b>Sponsors</b>
<b>10th Annual NASA Robotic Mining Competition - Team Competition Grant</b>	\$5,000	<b>Principal Investigator (PI):</b> Browne, Aidan	Engineering Technology and Construction Management	<b>Sponsor:</b> North Carolina Space Grant Consortium (NC Space Grant) <b>Prime Sponsor:</b> National Aeronautics and Space Administration (NASA)
<b>2019 NC Space Grant</b>	\$5,000	<b>Principal Investigator (PI):</b> Dahlberg, Jerry	Mechanical Engineering and Engineering Science	<b>Sponsor:</b> North Carolina Space Grant Consortium (NC Space Grant) <b>Prime Sponsor:</b> National Aeronautics and Space Administration (NASA)
<b>Academy for Population Health Operational Funding</b>	\$270,606	<b>Principal Investigator (PI):</b> Dulin, Michael <b>Co-PI:</b> Coffman, Maren	Deans Office College of Health and Human Services	<b>Sponsor:</b> Mecklenburg County Health Department
<b>Beyond the genome: impact of microbial communities and epigenetic regulations for adaptation</b>	\$116,667	<b>Principal Investigator (PI):</b> Reitzel, Adam	Biological Sciences	<b>Sponsor:</b> Human Frontier Science Program (HFSP)
<b>Centralina Council of Governments Public Service Fellowship</b>	\$39,628	<b>Principal Investigator (PI):</b> Barth, Thomas	Political Science and Public Administration	<b>Sponsor:</b> Centralina Council of Governments
<b>Charlotte Opportunity Insights Partnership</b>	\$517,232	<b>Principal Investigator (PI):</b> Thomas, Marye <b>Co-PI:</b> Lane, Justin	Urban Institute	<b>Sponsor:</b> Foundation For The Carolinas (FFTC)

<b>Award Title</b>	<b>Amount</b>	<b>Investigators</b>	<b>PI Dept.</b>	<b>Sponsors</b>
<b>Domain-Specific Computing enabling Real-Time AI Inference on the Edge for Expeditionary Cyber Missions</b>	\$59,247	<b>Principal Investigator (PI):</b> Tabkhivayghan, Hamed	Electrical and Computer Engineering	<b>Sponsor:</b> Northeastern University <b>Prime Sponsor:</b> DOD DN Office of Naval Research (ONR)
<b>EPIC Affiliates Industry Memberships for seed funded projects.</b>	\$13,255	<b>Principal Investigator (PI):</b> Kopitopoulou, Christina	Energy Production and Infrastructure Center	<b>Sponsor:</b> Pike Engineering LLC
<b>Evidence-based sexuality peer education program</b>	\$24,000	<b>Principal Investigator (PI):</b> Bowling, Jessamyn	Public Health Sciences	<b>Sponsor:</b> Blue Cross and Blue Shield of North Carolina
<b>Examining Status and Power Processes in Virtual Environments</b>	\$82,000	<b>Principal Investigator (PI):</b> Dippong, Joseph <b>Co-PIs:</b> Webster, Murray	Sociology	<b>Sponsor:</b> DOD DA Army Research Office (ARO)
<b>Generation of 3D point clouds from multiple line-data sensors</b>	\$30,290	<b>Principal Investigator (PI):</b> Morse, Edward	Center for Precision Metrology	<b>Sponsor:</b> Vantage Corporation
<b>Process chains for cost effective production of glass freeform optics</b>	\$57,500	<b>Principal Investigator (PI):</b> Davies, Matthew <b>Co-PIs:</b> Owen, Joseph; Suleski, Thomas	Mechanical Engineering and Engineering Science	<b>Sponsor:</b> University of Rochester <b>Prime Sponsor:</b> All Other Business and Industry
<b>Process for surface finish measurement in x-ray computed tomography</b>	\$58,943	<b>Principal Investigator (PI):</b> Smith, Stuart	Mechanical Engineering and Engineering Science	<b>Sponsor:</b> DOE Lawrence Livermore National Laboratory (LLNL) <b>Prime Sponsor:</b> Department of Energy (DOE)
<b>Protocol for Outlet Analysis at Highway Sites</b>	\$97,948	<b>Principal Investigator (PI):</b> Barclay, Nicole	Engineering Technology and Construction Management	<b>Sponsor:</b> North Carolina State University (NCSU) <b>Prime Sponsor:</b> North Carolina Department of Transportation (NCDOT)

<b>Award Title</b>	<b>Amount</b>	<b>Investigators</b>	<b>PI Dept.</b>	<b>Sponsors</b>
<b>Public Service Fellowship Arts and Science Council</b>	\$32,238	<b>Principal Investigator (PI):</b> Barth, Thomas	Political Science and Public Administration	<b>Sponsor:</b> City of Charlotte Arts and Science Council
<b>Sexual Assault Prevention for Men in the Military</b>	\$61,759	<b>Principal Investigator (PI):</b> Kazemi, Donna	School of Nursing	<b>Sponsor:</b> Rhode Island Hospital <b>Prime Sponsor:</b> DOD DA Congressionally Directed Medical Research Programs
<b>SoutheastCon 2019 Hardware Competition</b>	\$5,000	<b>Principal Investigator (PI):</b> Conrad, James	Electrical and Computer Engineering	<b>Sponsor:</b> North Carolina Space Grant Consortium (NC Space Grant) <b>Prime Sponsor:</b> National Aeronautics and Space Administration (NASA)
<b>Synthetic Megacity: A socially plausible simulation with tunable complexity engineered to serve as a test bed to validate social science modeling methods</b>	\$10,000	<b>Principal Investigator (PI):</b> Hadzikadic, Mirsad <b>Co-PI:</b> Whitmeyer, Joseph	Data Science Initiative	<b>Sponsor:</b> University of Central Florida (UCF) <b>Prime Sponsor:</b> DOD Defense Advanced Research Projects Agency (DARPA)
<b>Varifunction Freeform Optics</b>	\$72,096	<b>Principal Investigator (PI):</b> Suleski, Thomas <b>Co-PI:</b> Davies, Matthew	Physics and Optical Science	<b>Sponsor:</b> University of Rochester