

April 11, 2017

The Office of Research and Economic Development is pleased to announce awards received by UNC Charlotte Researchers in the month of February, 2017.

Total amount awarded for the month of February was \$2,867,827

Fiscal Year To Date Total: \$33,162,792

Award Title	Amount	Investigators	PI Dept.	Sponsors
2017 Cultural Life Survey-ASC	\$21,000	Principal Investigator (PI): Gavarkavich, Diane Co-PI: Swiderski, Thomas	Urban Institute	Sponsor: Arts and Sciences Council
2017-2018 NWP College Ready Writers Program	\$20,000	Principal Investigator (PI): Coffey, Heather Co-PI: Steele, Lucy	Middle, Secondary and K-12 Education	Sponsor: National Writing Project (NWP) Prime Sponsor: US Department of Education (DOED)
Advancing the Science and Practice of Metal Based Additive Manufacturing	\$653,856	Principal Investigator (PI): Evans, Christopher Co-PIs: Davies, Angela; Ziegert, John	Mechanical Engineering and Engineering Science	Sponsor: University of North Carolina General Administration (UNC GA)
CfM Industry Membership Funds Yr 5 and 6 of Phase I	\$40,000	Principal Investigator (PI): Fiddy, Michael	Physics and Optical Science	Sponsor: All Other Business and Industry Prime Sponsor: All Other Business and Industry
Collaborative Research: Supporting Agency among Early Career Engineering Education Faculty in Diverse Institutional Contexts	\$73,581	Principal Investigator (PI): Smith-Orr, Courtney	Electrical and Computer Engineering	Sponsor: National Science Foundation (NSF)
Confidential	\$19,286	Principal Investigator (PI): Tempest, Brett Co-PI: Cavalline, Tara	Civil and Environmental Engineering	Sponsor: Confidential Prime Sponsor: Confidential
DC Bus Integration of Photovoltaic Power Converter and Battery Energy Storage Systems	\$99,910	Principal Investigator (PI): Manjrekar, Madhav Co-PIs: Shoubaki, Ehab; Essakiappan, Somasundaram	Electrical and Computer Engineering	Sponsor: Duke Energy Corporation

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Evaluation of the RWJF-Humana Partnership to Improve Health	\$399,960	Principal Investigator (PI): Scott, Victoria	Psychology	Sponsor: Robert Wood Johnson Foundation (RWJF)
Gaston County Government Public Service Fellowship	\$8,147	Principal Investigator (PI): Barth, Thomas	Political Science and Public Administration	Sponsor: Gaston County
Industrial membership fees for a new I/UCRC - Configuration, Analytics and Automation.	\$50,000	Principal Investigator (PI): Al-Shaer, Ehab	Software and Information Systems	Sponsor: All Other Business and Industry
Industrial membership fees for the NSF IUCRC Award - SIBS Industry Funds	\$50,000	Principal Investigator (PI): Cox, Robert	Electrical and Computer Engineering	Sponsor: All Other Business and Industry
Industrial membership fees for the NSF IUCRC Award - SIBS Industry Funds	\$50,000	Principal Investigator (PI): Cox, Robert	Electrical and Computer Engineering	Sponsor: All Other Business and Industry
Industrial membership fees for the UNC Charlotte Site of I/UCRC Robots and Sensors for the Human Well-being	\$42,084	Principal Investigator (PI): Xiao, Jing	Computer Science	Sponsor: All Other Business and Industry
KIPP Durham Charter School TIMS Computerized Bus Routing Project 2017-18	\$4,020	Principal Investigator (PI): Pressley, JoAnne	Urban Institute	Sponsor: KIPP Durham College Prep Public School
LCS International Film Festival - Tournees	\$2,200	Principal Investigator (PI): Bissiere, Michele Co-PI: LaMarca, Mary	Languages and Culture Studies	Sponsor: French American Cultural Exchange (FACE)
Low-Fidelity Educational Models for Arthroscopic Knot Techniques	\$5,000	Principal Investigator (PI): Zheng, Naiquan	Mechanical Engineering and Engineering Science	Sponsor: Carolinas HealthCare System
Materials Characterization Laboratory Services - Master Agreement with BSN Medical, Inc.	\$396	Principal Investigator (PI): Weaver, Katherine	Mechanical Engineering and Engineering Science	Sponsor: BSN Medical
Materials Characterization Laboratory Services - Master Agreement with Technicon Acoustics	\$100	Principal Investigator (PI): Weaver, Katherine	Energy Production and Infrastructure Center	Sponsor: Technicon Acoustics, Inc.
Mecklenburg Housing Reports Project 2017	\$35,000	Principal Investigator (PI): Clark, Ashley Co-PIs: Lane, Justin; Swiderski, Thomas	Urban Institute	Sponsor: Mecklenburg County Community Support Services

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Medicare Data Analysis Services	\$95,000	Principal Investigator (PI): Noone, Joshua	Deans Office College of Health and Human Services	Sponsor: Grifols, Inc.
North Carolina Consortium for Manufacturing Data Science (NC-CMDS)	\$31,288	Principal Investigator (PI): Schmitz, Tony Co-PIs: Stylianou, Anthony; Ziegert, John; Smith, Kevin; Zhao, Kexin; Khouja, Moutaz	Mechanical Engineering and Engineering Science	Sponsor: University of North Carolina General Administration (UNC GA)
Phase II CfM Industry Membership Funds	\$275,000	Principal Investigator (PI): Aggarwal, Ishwar	Physics and Optical Science	Sponsor: All Other Business and Industry
Preserving Memory in a Digital Age: Charlotte-Eastern Europe Cemetery Experience	\$47,500	Principal Investigator (PI): Shapiro, Aaron	History	Sponsor: Blumenthal Foundation
Reedy Creek Restoration Study - Phase I	\$325,505	Principal Investigator (PI): Clinton, Sandra Co-PI: Vinson, David	Geography and Earth Sciences	Sponsor: City of Charlotte Storm Water Services
Role of DAI in viral CNS infection: A pilot study	\$75,500	Principal Investigator (PI): Marriott, Ian Co-PI: Johnson, Morgan	Biological Sciences	Sponsor: National Institutes of Health (NIH)
Shared Administrative Support Funding for NSF IUCRC Phase II Center for Metamaterials	\$85,527	Principal Investigator (PI): Aggarwal, Ishwar	Physics and Optical Science	Sponsor: Clarkson University Prime Sponsor: National Science Foundation (NSF)
SOW #17: Integrated Rankin Feeder Real-Time Modeling and Use-Case/Asset Coordination Analysis	\$99,764	Principal Investigator (PI): Cecchi, Valentina Co-PIs: Manjrekar, Madhav; Essakiappan, Somasundaram	Electrical and Computer Engineering	Sponsor: Duke Energy Corporation
Study and optimization of atmospheric propagation of partially coherent vortex beams	\$71,786	Principal Investigator (PI): Gbur, Gregory	Physics and Optical Science	Sponsor: Department of Defense (DOD) Department of the Air Force (DAF) Air Force Office of Scientific Research (AFOSR)

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The Housing First Charlotte-Mecklenburg Evaluation Project	\$160,517	Principal Investigator (PI): Thomas, Marye Co-PIs: Clark, Ashley; Lane, Justin	School of Social Work	Sponsor: Charlotte Mecklenburg County
Web GIS-enabled Data Management Systems for Santee Experimental Forest	\$25,900	Principal Investigator (PI): Tang, Wenwu	Geography and Earth Sciences	Sponsor: US Department of Agriculture (USDA) Forest Service Southern Research Station