

Monday, June 22, 2015

The Office of Research and Economic Development is pleased to announce awards received by UNC Charlotte Researchers in the month of May, 2015.

Total amount awarded for the month of May was \$2,743,222

Fiscal Year to Date Total: \$37,515,368

Award Title	Amount	Investigators	PI Dept.	Sponsors
3D Meta-Optics for High Energy Lasers	\$273,010	Principal Investigator (PI): Boreman, Glenn	Physics and Optical Science	Sponsor: Department of Defense (DOD)/Air Force/Office of Scientific Research
Abrasion Testing of Roller Compacted Concrete Specimens	\$1,184	Principal Investigator (PI): Cavalline, Tara	Engineering Technology and Construction Management	Sponsor: Andale Construction
Accessing young Black MSM for HIV prevention through online social networking	\$211,416	Principal Investigator (PI): Rowan, Diana	School of Social Work	Sponsor: Department of Health and Human Services (DHHS)/Centers for Disease Control (CDC)
Analysis of the application of advanced data analytics techniques for power system operation and planning support	\$30,000	Principal Investigator (PI): Chowdhury, Badrul Co-PIs: Hadzikadic, Mirsad; Hong, Tao	Electrical and Computer Engineering	Sponsor: Electric Power Research Institute (EPRI)
Cardiovascular Research Grid - Imaging Informatics Year 3	\$107,727	Principal Investigator (PI): Ge, Yaorong	Software and Information Systems	Sponsor: Vanderbilt University Medical Center Prime Sponsor: National Institutes of Health (NIH)
Chalcogenide Infrared Fiber Manufacturing Technology	\$105,000	Principal Investigator (PI): Poutous, Menelaos	Physics and Optical Science	Sponsor: IRflex Corporation Prime Sponsor: Department of Defense (DOD)/ Department of the Navy (DN)
Charlotte Teachers Institute	\$25,000	Principal Investigator (PI): Gartlan, Scott	Deans Office College of Liberal Arts and Sciences	Sponsor: The Belk Foundation

Award Title	Amount	Investigators	PI Dept.	Sponsors
Clean Fuel Advanced Technology Award	\$12,000	Principal Investigator (PI): Lizotte, Michael	FM Architectural/Engineering	Sponsor: North Carolina State University (NCSU)/ North Carolina Solar Center (NCSC) Prime Sponsor: North Carolina Department of Transportation (NCDOT)
Collaborative Research: Boron Carbide Nanowires - Structure and Transport Property Relations	\$197,665	Principal Investigator (PI): Xu, Ting	Mechanical Engineering and Engineering Science	Sponsor: National Science Foundation (NSF)
Consortium for Large-scale Precision Manufacturing Innovation	\$486,300	Principal Investigator (PI): Morse, Edward Co-PIs: Stylianou, Anthony; Ziegert, John; Kumar, Ram	Mechanical Engineering and Engineering Science	Sponsor: National Institute of Science and Technology (NIST)
Critical Infrastructure Resilience of the Distribution Grid	\$12,500	Principal Investigator (PI): Chowdhury, Badrul Co-PIs: Nasipuri, Asis; Lim, Churlzu; Subramanian, Kalpathi	Electrical and Computer Engineering	Sponsor: Clemson University Prime Sponsor: All Other Business and Industry
Cultural History of the Atlantic Experience in the Yoruba Hinterland (West Africa), ca. 1550-1830	\$55,000	Principal Investigator (PI): Ogundiran, Akinwumi	Africana Studies	Sponsor: National Humanities Center
EPC Innovation Literature Search	\$6,735	Principal Investigator (PI): Causey, F.	Energy Production and Infrastructure Center	Sponsor: Electric Power Research Institute (EPRI)
Evaluation of Thermal Performance of Lightweight Concrete	\$9,817	Principal Investigator (PI): Cavalline, Tara	Engineering Technology and Construction Management	Sponsor: Carolina Stalite Company
Globally convergent inverse algorithms via Carleman Weight Functions: theory, numerical studies and experimental verifications	\$137,000	Principal Investigator (PI): Klibanov, Michael	Mathematics and Statistics	Sponsor: Department of Defense (DOD)/Department of the Army (DA)/ Army Research Laboratory (ARL)

Award Title	Amount	Investigators	PI Dept.	Sponsors
Graduate Assistantship at Teen Health Connection	\$14,000	Principal Investigator (PI): Kilmer, Ryan Co-PI: Cook, James	Psychology	Sponsor: Teen Health Connection
Identifying and implementing Domestic Violence Shelter rules reduction strategies	\$4,368	Principal Investigator (PI): Kulkarni, Shanti	School of Social Work	Sponsor: Safe Alliance
Industrial membership fees for the UNC Charlotte Site of I/UCRC Robots and Sensors for the Human Well-being	\$35,195	Principal Investigator (PI): Xiao, Jing	Computer Science	Sponsor: All Other Business and Industry
Intraocular Injection Feasibility Information	\$5,000	Principal Investigator (PI): Noone, Joshua	Deans Office College of Health and Human Services	Sponsor: IMS Health
Invariant Analysis for Anomaly Detection and Diagnosis of Information Systems	\$5,000	Principal Investigator (PI): Ge, Yong	Computer Science	Sponsor: Oak Ridge Associated Universities
Keeping Watch Alliance: Advocates for our own Ecosystem	\$15,000	Principal Investigator (PI): Newsom, Mary	Urban Institute	Sponsor: Blumenthal Foundation
Low loss and low CTE optical metamaterials with index < 1.5	\$40,000	Principal Investigator (PI): Fiddy, Michael	Physics and Optical Science	Sponsor: US Conec Ltd.
Optical Fixturing and Calibration Artifacts	\$865	Principal Investigator (PI): Owen, Joseph Co-PI: Davies, Matthew	Deans Office College of Engineering	Sponsor: Magic Leap Inc.
Optical Fixturing and Calibration Artifacts	\$2,796	Principal Investigator (PI): Owen, Joseph Co-PI: Davies, Matthew	Deans Office College of Engineering	Sponsor: Magic Leap Inc.
Optical Sealing and Cutting of Tissue: Phase 3	\$236,418	Principal Investigator (PI): Fried, Nathaniel	Physics and Optical Science	Sponsor: Medtronic Covidien Group
Precision Machining of Fiber Ferrule Masks in ABS	\$2,977	Principal Investigator (PI): Owen, Joseph Co-PI: Davies, Matthew	Deans Office College of Engineering	Sponsor: Magic Leap Inc.

Award Title	Amount	Investigators	PI Dept.	Sponsors
Precision Machining of Optical Fixtures	\$4,926	Principal Investigator (PI): Owen, Joseph Co-PI: Davies, Matthew	Deans Office College of Engineering	Sponsor: Magic Leap Inc.
Proof of Concept for External Band Bending Solar Cells	\$60,330	Principal Investigator (PI): Ferguson, Ian Co-PI: Zhou, Chuanle	Electrical and Computer Engineering	Sponsor: Columbus Photovoltaics LLC
Proposal to Support the 4th International Conference on Nitrification and Related Processes (ICoN4)	\$12,540	Principal Investigator (PI): Klotz, Martin	Biological Sciences	Sponsor: Department of Energy (DOE)
Real-World Outcomes of Acute Ischemic Stroke Patients in the Medicare Population	\$18,500	Principal Investigator (PI): Noone, Joshua	Deans Office College of Health and Human Services	Sponsor: IMS Health
Sharon Towers Graduate Assistantship	\$17,480	Principal Investigator (PI): Gordon, Scott	Kinesiology	Sponsor: Sharon Towers Retirement Community
Star Operations on Noetherian Domains	\$35,000	Principal Investigator (PI): Houston, Evan	Mathematics and Statistics	Sponsor: Simons Foundation
State of Practice Review for Coal Combustion Residue (CCR) Landfills	\$35,000	Principal Investigator (PI): Khire, Milind	Civil and Environmental Engineering	Sponsor: Southern Company
Structured Diamond Optics for High Power Lasers	\$47,496	Principal Investigator (PI): Suleski, Thomas	Physics and Optical Science	Sponsor: II-VI Foundation
Substance P exacerbation of CNS inflammation	\$438,417	Principal Investigator (PI): Marriott, Ian Co-PI: Bost, Kenneth	Biological Sciences	Sponsor: National Institutes of Health (NIH)
The Impact of ICT on Labor and Output	\$15,047	Principal Investigator (PI): Gaggl, Paul	Economics	Sponsor: The World Bank

Award Title	Amount	Investigators	PI Dept.	Sponsors
University of Andes - UNC Charlotte Engineering Management Summer Program	\$26,513	Principal Investigator (PI): Ozelkan, Ertunga	Systems Engineering and Engineering Management	Sponsor: Universidad De Los Andes