

Office of Research
IT and Data Management Office

October, 2018 New Awards

Administration & Finance

Admin. & Finance

Hardaway, Chad

FEDERAL AND STATE TECHNOLOGY (FAST) PARTNERSHIP PROGRAM - 15510-FL01 125,000

Sponsor: US Small Business Administration (SBA)

Co-PI:

AWARD_PROJECT_AMT. IF AVAILABLE:

PROJECT_YEARS: 1

Arnold School of Public Health

Environmental Health Sciences

Norman, Robert

Socio-Ecological Coupling of Antibiotic Resistance and the Potential Risk of Human Exposure to AR Pathogens in Bioaerosols Generated During Wastewater Treatment - 11510-FC03 600,336

Sponsor: The Centers for Disease Control and Prevention/HHS

Co-PI:

AWARD_PROJECT_AMT. IF AVAILABLE:

PROJECT_YEARS: 1

Health Prom., Educ. & Behavior

Macauda, Mark

Linking Older Adolescents to Reproductive Health Services - 11580-KA21 24,300

Sponsor: SC Campaign to Prevent Teen Pregnancy/BCBS of SC Foundation

Co-PI:

AWARD_PROJECT_AMT. IF AVAILABLE:

PROJECT_YEARS: 1

Health Services Policy & Mgmt

Cozad, Melanie

R01 Concurrent Care with University of Tennessee Knoxville - 11550-FA77 43,787

Sponsor: University of Tennessee/NINR/NIH

Co-PI:

AWARD_PROJECT_AMT. IF AVAILABLE: 181,608

PROJECT_YEARS: 4

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Olatosi, Bankole

*RESEARCH AGREEMENT Between South Carolina Department of Health and
Environmental Control And The University of South Carolina. - 11550-GA03*

13,750

Sponsor: SC Department of Health & Environmental Control

Co-PI:

AWARD_PROJECT_AMT. IF AVAILABLE:

PROJECT_YEARS: 1

College of Arts and Sciences

Archaeology & Anthropology

Bradley, Ryan

Submerged: South Carolina Underwater Archaeology - 21300-FL23

4,000

Sponsor: SC Humanities/NEH

Co-PI:

AWARD_PROJECT_AMT. IF AVAILABLE:

PROJECT_YEARS: 1

Smith, Steven

South Carolina Archaeology Month Poster 2018 - 21300-FL22

4,000

Sponsor: SC Department of Archives and History (SCDAH)/DOI

Co-PI:

AWARD_PROJECT_AMT. IF AVAILABLE:

PROJECT_YEARS: 1

English

Brinkmeyer, Robert

Explore SC Mobile App - 12060-KA04

66,000

Sponsor: Watson-Brown Foundation

Co-PI:

AWARD_PROJECT_AMT. IF AVAILABLE:

PROJECT_YEARS: 5

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Geography

Ellis, Jean

Vulnerability of Stormwater Management Ponds to Sea Level Rise and Flooding - 13540-FB50 9,796

Sponsor: SC Sea Grant Consortium/NOAA

Co-PI:

AWARD_PROJECT_AMT. IF AVAILABLE:

PROJECT_YEARS: 1

History

Donaldson, Bobby

University of South Carolina Civil Rights ExhibitJustice for All: South Carolina and the American Civil Rights Movement - 12100-FL01 7,230

Sponsor: South Carolina Humanities/NEH

Co-PI:

AWARD_PROJECT_AMT. IF AVAILABLE:

PROJECT_YEARS: 1

Physics & Astronomy

Kulkarni, Varsha

Testing Dust Models at Moderate Redshift: Is the z=0.437 DLA toward 3C 196 Rich in Carbonaceous Dust? - 13070-FB75 12,242

Sponsor: Space Telescope Science Institute (STScI)/NASA

Co-PI:

AWARD_PROJECT_AMT. IF AVAILABLE:

PROJECT_YEARS: 2

Kuruppu, Chatura

Proposal for URA Scholarship at Fermi National Accelerator Laboratory - 13070-KA28 15,000

Sponsor: Universities Research Association (URA)

Co-PI:

AWARD_PROJECT_AMT. IF AVAILABLE:

PROJECT_YEARS: 1

Psychology

Will, Elizabeth

Early Indicators of Autism Risk in Down Syndrome - 13580-FB65 59,528

Sponsor: National Institute of Child Health & Human Development (NICHD)/NIH

Co-PI:

AWARD_PROJECT_AMT. IF AVAILABLE: 182,398

PROJECT_YEARS: 3

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October, 2018 New Awards

Sociology

Henderson-Platt, Andrea

The Impact of Tobacco Control Policies on Health Equity in the United States - Diversity Supplement - 13530-FA35 43,838

Sponsor: The Regents of the University of Michigan/NIH

Co-PI:

AWARD_PROJECT_AMT. IF AVAILABLE: 169,033
PROJECT_YEARS: 2

College of Education

Educational Studies

Duffy, Melissa

Learning Environments Across Disciplines (LEADS): Supporting Technology Rich Learning Across Disciplines - 15240-LA02 11,714

Sponsor: The Royal Institution for the Advancement of Learning/McGill University

Co-PI:

AWARD_PROJECT_AMT. IF AVAILABLE:
PROJECT_YEARS: 2

Plotner, Tony

Project FUSION: Preparing Special Education Leaders with a Focus on Research to Practice in Transition - 15240-FJ34 250,000

Sponsor: Office of Special Education and Rehabilitative Services/USDE

Co-PI:

AWARD_PROJECT_AMT. IF AVAILABLE: 1,250,000
PROJECT_YEARS: 5

Yell, Mitchell

Project Promote: Promoting Policy, Advocacy and Legal Literacy Skills in Special Education Leaders to Serve in Schools and Communities - 15240-FJ35 247,947

Sponsor: Office of Special Education Programs/USDE

Co-PI:

AWARD_PROJECT_AMT. IF AVAILABLE: 1,244,225
PROJECT_YEARS: 5

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College of Engineering & Comp.

Chemical Engineering

Heyden, Andreas

Statement of Work for Institute for Cooperative Catalysis in Upcycling of Polymers (iCOUP) - 15510-FD18 55,000

Sponsor: Ames Laboratory/DOE

Co-PI:

AWARD_PROJECT_AMT. IF AVAILABLE:
PROJECT_YEARS: 1

Civil & Environmental Eng.

Goharian, Erfan

Vulnerability of Coastal Stormwater Management Ponds to Non-Stationarity and Compound Effects of Sea Level Rise and Inland Flooding - 15520-FB59 10,000

Sponsor: South Carolina Sea Grant Consortium/NOAA

Co-PI:

AWARD_PROJECT_AMT. IF AVAILABLE:
PROJECT_YEARS: 1

Huynh, Nathan

SPR No. 742: Automatic Extraction of Vehicle, Bicycle, and Pedestrian Traffic from Video Data - 15520-FB60 148,890

Sponsor: SC Department of Transportation (SCDOT)/FHWA

Co-PI:

AWARD_PROJECT_AMT. IF AVAILABLE:
PROJECT_YEARS: 2

SAMADI, SEYEDEHZAHA

RAPID: Reconstruction of Hurricane Florence Flood Hydrograph (HF2H) for South Carolina's Critical Infrastructures Using Data Analytics Algorithms and In-situ Field Measurements - 15520-FB61 115,000

Sponsor: National Science Foundation (NSF)

Co-PI:

AWARD_PROJECT_AMT. IF AVAILABLE:
PROJECT_YEARS: 1

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Ziehl, Paul

NDE based Condition Assessment of Sub-Surface Concrete with Limited Access - 15520-FB62 30,000

Sponsor: Tri-Austin/US Air Force

Co-PI:

AWARD_PROJECT_AMT. IF AVAILABLE:

PROJECT_YEARS: 1

Computer Science & Engineering

Farkas, Csilla

Unified, Cloud-Based Platform to Support South Carolina Logistics - 15590-GA04 300,000

Sponsor: SC Department of Commerce

Co-PI:

AWARD_PROJECT_AMT. IF AVAILABLE:

PROJECT_YEARS: 1

Electrical Engineering

Ali, Mohammad

SSOW-BRT-0918-216: Electromagnetic Effects Research on Metamaterials for RFI and EMI Reduction - 15530-JA53 19,317

Sponsor: Boeing Corporation

Co-PI:

AWARD_PROJECT_AMT. IF AVAILABLE:

PROJECT_YEARS: 1

BAE, Seongtae

In-vitro and In-vivo medical feasibility and bio-availability tests of biocompatible polymer coated Mg shallow doped gamma-Fe₂O₃ nanofluids for pre-clinical and clinical hyperthermia applications - 15530-LA04 798,510

Sponsor: Neo-Nanomedics, Korea Co. Ltd. in South Korea

Co-PI:

AWARD_PROJECT_AMT. IF AVAILABLE:

PROJECT_YEARS: 2

Mechanical Engineering

Huang, Kevin

Next Generation Durable, Cost Effective, Energy Efficient Tubular SOFC - 15540-FD93 200,000

Sponsor: Atrex/DOE NETL

Co-PI:

AWARD_PROJECT_AMT. IF AVAILABLE:

PROJECT_YEARS: 2

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Huang, Xinyu

Development of Multi-Axial Failure Criteria for Nuclear Grade SiCf-SiCm Composites - 15540-FD88 800,000

Sponsor: Office of Nuclear Energy/DOE

Co-PI:

AWARD_PROJECT_AMT. IF AVAILABLE:

PROJECT_YEARS: 3

Spacecraft Cabin Carbon Dioxide Removal - 15540-FD90 40,000

Sponsor: Skyre Inc./STTR/NASA

Co-PI:

AWARD_PROJECT_AMT. IF AVAILABLE:

PROJECT_YEARS: 1

Khan, Jamil

Thermal-Hydraulic Test to Determine Flow Resistance and Heat Transfer Coefficients for Coated Fuel Cladding Design - 15540-JB01 81,000

Sponsor: Westinghouse Electric Company LLC

Co-PI:

AWARD_PROJECT_AMT. IF AVAILABLE: 103,470

PROJECT_YEARS: 4

Characterization of SiC Composite Cladding Fuel Rod - 15540-JB02 22,470

Sponsor: Westinghouse Electric Company LLC

Co-PI:

AWARD_PROJECT_AMT. IF AVAILABLE:

PROJECT_YEARS: 4

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October, 2018 New Awards

van Tooren, Michael

Thermoplastic Composite Film Joining - 15540-JB04 54,714

Sponsor: The Boeing Company (Boeing)

Co-PI:

AWARD_PROJECT_AMT. IF AVAILABLE:

PROJECT_YEARS: 1

Boeing Project: Automotive Over-molding Assessment Survey - 15540-JB05 1,467

Sponsor: The Boeing Company

Co-PI:

AWARD_PROJECT_AMT. IF AVAILABLE:

PROJECT_YEARS: 1

Spirit AeroSystems - Thermoplastic Induction Welding Test Plan 2.0 - 15540-JB06 25,765

Sponsor: Spirit AeroSystems

Co-PI:

AWARD_PROJECT_AMT. IF AVAILABLE:

PROJECT_YEARS: 1

Wang, Yi

Multi-fidelity Surrogate Modeling for Multi-Source Data Consolidation (CFDRC Project No. 9335) - 15540-FD91 36,964

Sponsor: CFD Research Corporation/NASA

Co-PI:

AWARD_PROJECT_AMT. IF AVAILABLE:

PROJECT_YEARS: 1

An Intelligent Framework to Develop Adaptive Parametric Reduced Order Model Database for Aerostructural Control (CFDRC Project No. 9333) - 15540-FD92 36,964

Sponsor: CFD Research Corporation/NASA

Co-PI:

AWARD_PROJECT_AMT. IF AVAILABLE:

PROJECT_YEARS: 1

Online Machine Learning for Real-Time Monitoring and Control of Mechanical Systems - 15540-FD94 28,000

Sponsor: CFD Research Corporation/US Army

Co-PI:

AWARD_PROJECT_AMT. IF AVAILABLE:

PROJECT_YEARS: 2

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College of Nursing

Nursing

Dail, Robin

Central & Peripheral Body Temperature in VLBW Preterm Infants During the Neonatal Period: Relationship to Neonatal Infection and Necrotizing Enterocolitis - 11200-FA34 674,636

Sponsor: National Institute of Nursing Research (NINR)/NIH

Co-PI:

AWARD_PROJECT_AMT. IF AVAILABLE: 2,893,400
PROJECT_YEARS: 5

College of Social Work

Social Work - Dean's Office

DeHart, Dana

Proposal to Serve as Outside Evaluator on Transitional Youth Services - 15900-FL57 48,668

Sponsor: Lexington/Richland Alcohol and Drug Abuse Council
(LRADAC)/SAMHSA/HHS

Co-PI:

AWARD_PROJECT_AMT. IF AVAILABLE: 199,691
PROJECT_YEARS: 5

Office of Research
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October, 2018 New Awards

Darla Moore School of Business

Moore Sch - Div. of Research

Von Nessen, Joseph

SCRA Economic Impact Analysis - FY18 - 21200-GA47 10,000

Sponsor: SC Research Authority (SCRA)

Co-PI:

AWARD_PROJECT_AMT. IF AVAILABLE:

PROJECT_YEARS: 1

South Carolina Commission on Higher Education - FY18 Economic Impact Analysis - 21200-GA48 21,000

Sponsor: SC Commission on Higher Education

Co-PI:

AWARD_PROJECT_AMT. IF AVAILABLE:

PROJECT_YEARS: 1

Samsung Electronics America (SEA) - Economic Impact Analysis - 21200-JA35 136,250

Sponsor: Samsung Electronics America (SEA)

Co-PI:

AWARD_PROJECT_AMT. IF AVAILABLE:

PROJECT_YEARS: 1

Hosp., Retail, & Sport Mgmt

Retailing

Campbell, Jeffrey

Creating a bridge between specialty crop farms and e-commerce through increased branding strategies - 14010-FJ00 47,210

Sponsor: SC Department of Agriculture/USDA

Co-PI:

AWARD_PROJECT_AMT. IF AVAILABLE:

PROJECT_YEARS: 2

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Law Enforcement & Safety

Environmental Health & Safety

Syfert, Tom

USC Aiken Emergency Generator - 67010-FQ11

307,474

Sponsor: SC Emergency Management Division/FEMA

Co-PI:

AWARD_PROJECT_AMT. IF AVAILABLE:

PROJECT_YEARS: 1

USC Emergency Sirens and Notifications - 67010-FQ12

122,678

Sponsor: SC Emergency Management Division/FEMA

Co-PI:

AWARD_PROJECT_AMT. IF AVAILABLE:

PROJECT_YEARS: 1

School of Law

Children's Law Center

Morris, Carolyn

Court Administration Training Grant - 15810-FJ16

30,754

Sponsor: S.C. Court Administration/HHS

Co-PI:

AWARD_PROJECT_AMT. IF AVAILABLE:

PROJECT_YEARS: 1

Court Improvement Basic Grant - 15810-FM13

33,731

Sponsor: S.C. Court Administration/HHS

Co-PI:

AWARD_PROJECT_AMT. IF AVAILABLE:

PROJECT_YEARS: 1

Office of Research
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October, 2018 New Awards

School of Medicine

Internal Medicine

Yates-Wilson, Beverly

Empowering Families by Improving Fresh Food Access - 18190-FM49 25,000

Sponsor: City of Columbia, Community Development Department/HUD

Co-PI:

AWARD_PROJECT_AMT. IF AVAILABLE:

PROJECT_YEARS: 1

Pediatrics

Cramer, Stuart

COG: Novartis Pharm AALL0434 - 18140-JA39 2,000

Sponsor: Children's Oncology Group/Novartis Pharmaceuticals

Co-PI:

AWARD_PROJECT_AMT. IF AVAILABLE:

PROJECT_YEARS: 1

School of Medicine (Grvl)

Medicine Greenville

Hodinka, Richard

Bullying and Hazing in Collegiate Student Athletes: Owning Responsibility and Building a Culture of Safety - 16000-KA07 3,575

Sponsor: Upsatate Affiliate Org. d/b/a Greenville Health System/AMSSM Foundation

Co-PI:

AWARD_PROJECT_AMT. IF AVAILABLE:

PROJECT_YEARS: 1

University Libraries

Univ Libraries - Dean's Office

L'Hommedieu, Andrea

2226 Hampton Street Outreach Project - 30000-HA00 10,000

Sponsor: Tomlinson Alumni, Inc/Richland County Conservation Commission

Co-PI:

AWARD_PROJECT_AMT. IF AVAILABLE:

PROJECT_YEARS: 1

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Meaney, Amy

Preserving Two Watershed Years of Outtakes from the WIS-TV News Collection, 1968-1969 - 30000-KL03

50,000

Sponsor: Council on Library and Information Resources (CLIR)

Co-PI:

AWARD_PROJECT_AMT. IF AVAILABLE:

PROJECT_YEARS: 1

University of SC Lancaster

Lancaster

Criswell, Stephen

USCL Native American Studies Center Artist-In-Residence Program: Beckee Garris, Catawba Artists - 17550-GL09

6,000

Sponsor: South Carolina Arts CoFolklife and Traditional Arts Program

Co-PI:

AWARD_PROJECT_AMT. IF AVAILABLE:

PROJECT_YEARS: 1

University of SC Sumter

Sumter

Kunka, Andrew

SC Humanities Grant Application for Swan Con: The Sumter Comic Arts Symposium - 17440-FL26

6,000

Sponsor: SC Humanities Council/NEH

Co-PI:

AWARD_PROJECT_AMT. IF AVAILABLE:

PROJECT_YEARS: 1

Picariello, Damien

2019 Tournees Festival Film Series - 17440-KL05

2,200

Sponsor: French-American Cultural Exchange Foundation

Co-PI:

AWARD_PROJECT_AMT. IF AVAILABLE:

PROJECT_YEARS: 1

**Office of Research
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University of SC Upstate

Upstate

Parker, Jennifer

*Supplemental Training for Spartanburg County Department of Social Services (DSS)
Foster Care Case Workers and Investigators: A Pilot Study - 17880-KJ13*

276,507

Sponsor: USC Upstate Foundation/Duke Endowment

Co-PI:

AWARD_PROJECT_AMT. IF AVAILABLE:

PROJECT_YEARS:

3

Report Total:

\$6,156,212