## Summary of Grant/Contract Awards – Fiscal Year 2018

April 1, 2018 – June 30, 2018

<table>
<thead>
<tr>
<th>DOLLARS AWARDED BY SOURCE</th>
<th>FY 2018 THIS REPORT</th>
<th>CUMULATIVE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Federal Government</td>
<td>3,909,112</td>
<td>19,338,032</td>
</tr>
<tr>
<td>State of Illinois</td>
<td>488,641</td>
<td>8,223,774</td>
</tr>
<tr>
<td>Corporate</td>
<td>1,010,060</td>
<td>1,433,801</td>
</tr>
<tr>
<td>Public/Not for Profit</td>
<td>506,600</td>
<td>1,177,964</td>
</tr>
<tr>
<td>Foreign</td>
<td>72,248</td>
<td>168,421</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>5,986,661</strong></td>
<td><strong>30,341,992</strong></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>DOLLARS AWARDED BY PURPOSE</th>
<th>FY 2018 THIS REPORT</th>
<th>CUMULATIVE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Instruction</td>
<td>1,699,082</td>
<td>3,279,704</td>
</tr>
<tr>
<td>Research</td>
<td>2,828,093</td>
<td>12,212,654</td>
</tr>
<tr>
<td>Public Service</td>
<td>1,422,838</td>
<td>14,350,457</td>
</tr>
<tr>
<td>Other Sponsored Activities*</td>
<td>36,648</td>
<td>499,177</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>5,986,661</strong></td>
<td><strong>30,341,992</strong></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>DOLLARS AWARDED BY COLLEGE</th>
<th>FY 2018 THIS REPORT</th>
<th>CUMULATIVE</th>
</tr>
</thead>
<tbody>
<tr>
<td>College of Business</td>
<td>910,000</td>
<td>1,205,684</td>
</tr>
<tr>
<td>College of Education</td>
<td>644,267</td>
<td>1,436,900</td>
</tr>
<tr>
<td>College of Engineering and Engineering Technology</td>
<td>140,852</td>
<td>972,204</td>
</tr>
<tr>
<td>College of Health and Human Sciences</td>
<td>738,516</td>
<td>985,147</td>
</tr>
<tr>
<td>College of Law</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>College of Liberal Arts and Sciences</td>
<td>1,565,638</td>
<td>16,050,245</td>
</tr>
<tr>
<td>College of Visual and Performing Arts</td>
<td>127,659</td>
<td>135,859</td>
</tr>
<tr>
<td>Outreach, Engagement, and Regional Development</td>
<td>1,710,831</td>
<td>7,105,331</td>
</tr>
<tr>
<td>Other Academic Units</td>
<td>148,898</td>
<td>2,449,422</td>
</tr>
<tr>
<td>Other University Units</td>
<td>0</td>
<td>1,000</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>5,986,661</strong></td>
<td><strong>30,341,992</strong></td>
</tr>
</tbody>
</table>

ANTHROPOLOGY

Conservation, Food and Health Foundation for "The Effects of Anthropogenic Disturbance on the Health and Behavior of Bolivian Tamarins." Leila M. Porter.
Award: $28,054.00.

The project will create an international network of scientists and students to examine increased sharing of diseases due to human-induced habitat change and population growth and develop measures for protecting human and wildlife populations in Bolivia.

BIOLOGICAL SCIENCES

National Science Foundation for "The ecosystem consequences of management disturbances: examining the community–trait–function relationships of consumers in a restored grassland."
Holly Jones/Nicholas Barber.
Award: $6,250.00. (Cumulative $212,500.00).

To identify management disturbance effects on species in a restored grassland and to measure changes in the ecosystem function.
Lake County Forest Preserve District for "Monitoring and Assessment of Blanding's Turtle Populations 2018 at Spring Bluff Forest Preserve." Richard B. King/Holly Jones/Nicholas Barber.
Award: $22,838.00.

Provide appropriate field data collection and reporting over the course of a 5-month assessment of the population status of Blanding’s turtles at Spring Bluff Forest Preserve through standard research methods.

Agricultural Research Service/Department of Agriculture for "Developing Genomics Resources for Tropical Perennial Crops Economically Important to the United States." Yanbin Yin.
Award: $10,000.00.

This project will develop novel SNP markers and other genomic tools for molecular characterization of genetic resources of guava, rambutan, pitaya, star fruit, mangosteen, tea and peach palm.

CAMPUS CHILD CARE

Award: $500.00.
May 1, 2018 - August 31, 2018. (Other Sponsored Activities) Public Service.

The intent of this project is to supplement and replenish children’s books that are rich in
diversity and provide an appreciation for the arts.

Community Coordinated Child Care for "Child Care Program Quality Improvement."
Lofthouse, Amy.
Award: $8,813.00.
July 1, 2017 - June 30, 2018. (Other Sponsored Activities) Public Service.

To successfully merge the Child Development Lab and Campus Child Care into one program, which will allow them to expand infant and toddler care to NIU students, faculty and staff as well as the surrounding community.

CHEMISTRY AND BIOCHEMISTRY

Award: $23,881.00. (Cumulative $115,140.00).

The purpose of this project is to prepare, characterize, and improve new materials for energy efficiency and environmental applications.

National Science Foundation for "Fundamental Study of Dopants Effect for Stable Hybrid Perovskite Materials." Tao Xu.
Award: $311,558.00.

To provide an atomic level understanding of how the proposed dopants stabilize the vulnerable ions, and influence the performance of organic-inorganic hybrid perovskites materials.

COLLEGE OF BUSINESS, DEAN'S OFFICE

Medline Industries for "Experiential Learning Center Corporate Project-Fall 2017and Spring 2018." Joan Petros.
Award: $20,000.00.
July 1, 2017 - June 30, 2018. (Instructional Programs).

Marmon Group for "Executive MBA Contract Courses." Ann Carrel.
Award: $25,000.00.
July 1, 2017 - June 30, 2018. (Instructional Programs).

Award: $27,500.00.
July 1, 2017 - June 30, 2018. (Instructional Programs).

Brian Bemis Automotive Group for "Executive MBA Contract Courses." Ann Carrel.
Award: $27,500.00.
July 1, 2017 - June 30, 2018. (Instructional Programs).
Award: $25,000.00.  
July 1, 2017 - June 30, 2018. (Instructional Programs).

Monsanto for "Executive MBA Contract Courses." Ann Carrel.  
Award: $27,500.00.  
July 1, 2017 - June 30, 2018. (Instructional Programs).

Nalco Chemical for "Executive MBA Contract Courses." Ann Carrel.  
Award: $27,500.00.  
July 1, 2017 - June 30, 2018. (Instructional Programs).

Award: $25,000.00.  
July 1, 2017 - June 30, 2018. (Instructional Programs).

Advantage Bearing Technologies for "Executive MBA Contract Courses." Ann Carrel.  
Award: $25,000.00.  
July 1, 2017 - June 30, 2018. (Instructional Programs).

Trustmark Insurance for "Executive MBA Contract Courses." Ann Carrel.  
Award: $25,000.00.  
July 1, 2017 - June 30, 2018. (Instructional Programs).

Award: $27,500.00.  
July 1, 2017 - June 30, 2018. (Instructional Programs).

Salesforce for "Executive MBA Contract Courses." Ann Carrel.  
Award: $27,500.00.  
July 1, 2017 - June 30, 2018. (Instructional Programs).

UniCarriers Corporation for "Experiential Learning Center Corporate Project-Spring 2018."  
Joan Petros.  
Award: $10,000.00.  
July 1, 2017 - June 30, 2018. (Instructional Programs).

Award: $25,000.00.  
July 1, 2017 - June 30, 2018. (Instructional Programs).

Parent Petroleum for "Experiential Learning Center Corporate Project-Spring 2018." Joan Petros.  
Award: $10,000.00.  
July 1, 2017 - June 30, 2018. (Instructional Programs).

Jewel-Osco for "Experiential Learning Center Corporate Project-Spring 2018." Joan Petros.  
Award: $20,000.00.  
July 1, 2017 - June 30, 2018. (Instructional Programs).
Abbott Laboratories for "Experiential Learning Center Corporate Project-Spring 2018." Joan Petros.
Award: $10,000.00.
July 1, 2017 - June 30, 2018. (Instructional Programs).

Amita Health for "Experiential Learning Center Corporate Project-Fall 2017." Joan Petros.
Award: $10,000.00.
July 1, 2017 - June 30, 2018. (Instructional Programs).

TouchPoint360 for "Executive MBA Contract Courses." Ann Carrel.
Award: $27,500.00.
July 1, 2017 - June 30, 2018. (Instructional Programs).

Award: $27,500.00.
July 1, 2017 - June 30, 2018. (Instructional Programs).

Award: $25,000.00.
July 1, 2017 - June 30, 2018. (Instructional Programs).

Award: $25,000.00.
July 1, 2017 - June 30, 2018. (Instructional Programs).

HNTB Corporation for "Executive MBA Contract Courses." Ann Carrel.
Award: $25,000.00.
July 1, 2017 - June 30, 2018. (Instructional Programs).

Award: $25,000.00.
July 1, 2017 - June 30, 2018. (Instructional Programs).

Award: $25,000.00.
July 1, 2017 - June 30, 2018. (Instructional Programs).

UTC Aerospace Systems for "Executive MBA Contract Courses." Ann Carrel.
Award: $25,000.00.
July 1, 2017 - June 30, 2018. (Instructional Programs).

Xerox Corporation for "Executive MBA Contract Courses." Ann Carrel.
Award: $25,000.00.
July 1, 2017 - June 30, 2018. (Instructional Programs).

Alligatortek for "Executive MBA Contract Courses." Ann Carrel.
Award: $25,000.00.
Levenfeld Pearlstein, LLC for "Executive MBA Contract Courses." Ann Carrel.
Award: $25,000.00.
July 1, 2017 - June 30, 2018. (Instructional Programs).

Award: $27,500.00.
July 1, 2017 - June 30, 2018. (Instructional Programs).

Vélán Solutions, LLC for "Executive MBA Contract Courses." Ann Carrel.
Award: $25,000.00.
July 1, 2017 - June 30, 2018. (Instructional Programs).

Shiloh Industries, Inc. for "Executive MBA Contract Courses." Ann Carrel.
Award: $25,000.00.
July 1, 2017 - June 30, 2018. (Instructional Programs).

Award: $27,500.00.
July 1, 2017 - June 30, 2018. (Instructional Programs).

Award: $25,000.00.
July 1, 2017 - June 30, 2018. (Instructional Programs).

Conduent, Inc. for "Executive MBA Contract Courses." Ann Carrel.
Award: $25,000.00.
July 1, 2017 - June 30, 2018. (Instructional Programs).

Award: $27,500.00.
July 1, 2017 - June 30, 2018. (Instructional Programs).

SureStaff Temp Services for "Executive MBA Contract Courses." Ann Carrel.
Award: $27,500.00.
July 1, 2017 - June 30, 2018. (Instructional Programs).

Award: $25,000.00.
July 1, 2017 - June 30, 2018. (Instructional Programs).

Miaoli County Government Education Department, Taiwan for "Educate Global Taiwan." Terry E. Borg.
Award: $20,204.00.
July 1, 2017 - June 30, 2018. (Instructional Programs).


COLLEGE OF HEALTH AND HUMAN SCIENCES, DEAN'S OFFICE


Through participation in the MACRA-Provider Resource Network, NIU will provide clinicians in rural Illinois with customized direct technical assistance and peer-level support to deliver care in a patient-centric and efficient manner.

COMPUTER SCIENCE


NIU is collaborating with ProtonVDA (SBC and prime recipient), Loyola, and Northwestern Proton Center in a joint research to produce and test a fully functional prototype of a proton radiography system with all required clinical features.


The purpose of this project is to provide support to ANL's Advanced Integration Group through contributions to cobalt scheduling, port operational assessment reporting, and MPI support.

COUNSELING, ADULT AND HIGHER EDUCATION
Substance Abuse & Mental Health Services Administration/DHHS for "Building Suicide Awareness and Fostering Enhanced Resilience (B-SAFER) at Northern Illinois University."
Brooke Ruxton/Suzanne Degges-White/Carrie Kortegast.
Award: $102,000.00. (Cumulative $306,000.00).

The major goal of the project is to develop connections between mental health providers on- and off-campus; provide training for the community; and promote the reduction of stigma, an increase in help-seeking, and enhanced resilience.

ECONOMICS

University of Chicago for "Center for Robust Decision-Making on Climate and Energy Policy."
Evan W. Anderson.
Award: $9,570.00. (Cumulative $46,731.00).

The PI will work in collaboration with RDCEP researchers on the development of robust optimal control methods for economic models re: climate change.

EDUCATION SYSTEM CENTER

Illinois Manufacturers' Association Education Foundation for "IAAC Implementation Management Support."
Jonathan Furr
Award: $272,215.00.

Education Systems will partner with the sponsor to support capacity building for pre-apprenticeship programs.

FAMILY AND CONSUMER SCIENCES

Community Coordinated Child Care for "Quality Improvement Funds Grant."
Lisa M. Schmidt.
Award: $2,949.00.

QI Funds are designed to support programs as they pursue quality improvement for child care programs by achieving or maintaining an ExceleRate Circle of Quality.

GEOGRAPHIC AND ATMOSPHERIC SCIENCES

Village of Carol Stream for "GIS Design and Implementation for the Village of Carol Stream."
Ryan James.
Award: $39,581.00.

This project will create maps for the Village of Carol Stream and will provide an engaged learning opportunity for Geography graduate and undergraduate students.

GEOLOGY AND ENVIRONMENTAL GEOSCIENCES
Award: $7,560.00.

To investigate the groundwater quality of local dug and tube wells, determine quantitative data on characteristics of the local aquifers, and compare seasonal variations in groundwater flow and quality around Mandalay.

GRADUATE SCHOOL

Award: $4,500.00. (Cumulative $146,500.00).
July 1, 2017 - June 30, 2018. (Instructional Programs).

NIU will serve as Fiscal Agent for IBHE for FY 2018 in administering grants awarded by the Diversifying Higher Education Faculty in Illinois (“DFI”) Program Board to fellows at the institution under the DFI Program.

Waubonsee Community College for "Support for Graduate Assistants." Bradley G. Bond.
Award: $21,501.00.
August 1, 2018 - July 31, 2019. (Instructional Programs).

This project provides two graduate research assistants to Waubonsee Community College to work under the direction of the Dean of Students, in the areas of student affairs.

HISTORY

Award: $6,000.00.

This book-length project is the first on this subject, and considers the event and its aftermath in light of the constructed nature of sectarian division in mid-19th century Ireland.

INDUSTRIAL AND SYSTEMS ENGINEERING

Award: $7,000.00.
July 1, 2017 - June 30, 2018. (Instructional Programs).

Award: $7,000.00.
July 1, 2017 - June 30, 2018. (Instructional Programs).

Aurora Specialty Textiles Group, Inc. for "Senior Design Project: Range II Changeover Optimization." Purushothaman Damodaran.
Award: $7,000.00.
July 1, 2017 - June 30, 2018. (Instructional Programs).

SPX Flow for "Senior Design Project: Improving UPS Shipping Department." Damodaran, Purushothaman.
Award: $7,000.00.
July 1, 2017 - June 30, 2018. (Instructional Programs).

Award: $7,000.00.
July 1, 2017 - June 30, 2018. (Instructional Programs).

Award: $7,000.00.
July 1, 2017 - June 30, 2018. (Instructional Programs).

Award: $7,000.00.
July 1, 2017 - June 30, 2018. (Instructional Programs).

Award: $2,500.00.

Award: $2,500.00.
July 1, 2017 - June 30, 2018. (Instructional Programs).

Award: $6,400.00. (Cumulative $66,575.00).

The goal of this project is to improve the management productivity at the Customer Service Centers for National Express, the second largest student transportation provider in North America.

Purushothaman Damodaran.
Award: $7,000.00.
July 1, 2017 - June 30, 2018. (Instructional Programs).

Award: $7,000.00.
July 1, 2017 - June 30, 2018. (Instructional Programs).

Aurora Specialty Textiles Group, Inc. for "Senior Design Project: Canvas Room Small Roll Throughput and Ergonomic Improvement." Purushothaman Damodaran.
Award: $7,000.00.
July 1, 2017 - June 30, 2018. (Instructional Programs).

Award: $7,500.00.
July 1, 2017 - June 30, 2018. (Instructional Programs).

Chalmers St. Consulting for "Purchasing and Payment Processing Improvement."
Purushothaman Damodaran.
Award: $14,999.00.

This project aims to improve current purchasing and payment practices for a charter school network.

INTERNATIONAL STUDENT AND FACULTY OFFICE

Award: $77,680.00.
March 1, 2018 - September 28, 2018. (Other Sponsored Activities) Public Service.

This program will orient foreign Fulbright students to the Fulbright program and community; the U.S. academic system; U.S. history, culture, and government; and develop skills for success as students and future leaders.

JOBS PLUS

Award: $36,648.00.
July 1, 2018 - August 31, 2019. (Other Sponsored Activities) Student Service.

The purpose of the project is to provide valuable career-related work experiences to students that are applicable to their fields of study.
LEADERSHIP, EDUCATIONAL PSYCHOLOGY AND FOUNDATIONS

Southern Illinois University at Edwardsville for "IHE Partnership-Regional Office of Education #47." James Surber/Rebecca Surber.
Award: $6,189.00.
NIU investigators will participate in the Immunity to Change (ITC) training, which helps to support ongoing work with adult learners.

MECHANICAL ENGINEERING

Aurora Specialty Textiles Group, Inc. for "Designing a Water Treatment Facility for Aurora Specialty Textiles Group." Kyu Taek Cho/Purushothaman Damodaran.
Award: $36,953.00.
This project will provide the optimal system design of wastewater treatment for ASTG to satisfy the discharge requirements of the Yorkville Sanitary District.

MORGRIDGE OFFICE

Award: $436,025.00.
The purpose of the project is the design of a robot for children's collaboration.

NORTHERN PUBLIC RADIO

Award: $8,880.00.
Funds are being used to support high quality public radio programming.

Illinois State Library for "Northern Illinois Radio Information Service (NIRIS)." Staci Hoste.
Award: $28,273.00.
July 1, 2017 - June 30, 2018. (Other Sponsored Activities) Public Service.
The Radio Information Services enhance the quality of life for Illinoisans with a physical or visual disability by providing access to the news and other information.

Corporation for Public Broadcasting for "2018 Radio Community Service Grant." Staci Hoste.
Award: $226,398.00.
October 1, 2017 - September 30, 2018. (Other Sponsored Activities) Public Service.
Funds are being used to support high quality public programming.


Funds are being used to support high quality public radio programming.


Funds are being used to support high quality public radio programming.


Funds are being used to support high quality public radio programming.

OFFICE OF STUDENT ENGAGEMENT


The purpose of the project is to hire a summer college student intern to gain professional experience while assisting with the Communiversity Gardens.

P-20 CENTER


The federally funded Migrant Education Program (MEP) provides supplemental education and supportive services to migrant children during the summer.


The study will research returns on investments of various Illinois early childhood programming using educational and social service data sets within the Illinois Longitudinal Data System.

Illinois State Board of Education for "Preschool Development Grant - Expansion Grant."
This project will conduct research to ensure quality in preschool programs.

PHYSICS

Award: $115,000.00.
April 1, 2018 - March 31, 2019. (Organized Research) Basic Research.

The purpose of the project is to develop techniques to tailor the phase-space distribution of charged-particle beams and investigate cooling technique based on self-field.

Argonne National Laboratory for "Fabrication and Characterization of Superconducting Nanostructures." Zhili Xiao.
Award: $7,390.00. (Cumulative $37,630.00).

Funds will be used for developing methods and/or procedures to fabricate and to characterize superconducting nanostructures as part of DoE funded project on superconductivity and magnetism at Argonne National Laboratory, and includes support for Jing Xu.

Award: $41,017.00. (Cumulative $119,609.00).

This project supports the research and supervision activities of NIU's Professor Omar Chmaissem within the Neutron and X-ray Scattering (NXRS) Group of the Materials Science Division at Argonne National Laboratory.

University of Notre Dame for "The Quarknet Project." Dhiman Chakraborty.
Award: $3,480.00. (Cumulative $29,160.00).

The purpose of this project is to involve high school teachers and their students in state-of-the-art research that seeks to resolve some of the mysteries about the structure of matter and the fundamental forces of nature.

State University of New York at Stony Brook for "ATLAS Detector Upgrade R&D for High-Luminosity LHC." Dhiman Chakraborty.
Award: $3,219.00. (Cumulative $62,831.00).
Funds are requested for assembly and testing of Low-Voltage Power Supply units for on-detector electronics of the ATLAS Tile Hadronic Calorimeter.


Funds are requested to develop and maintain the ATLAS calibration database and related software.


Funds will be used on R&D for the SiPM-on-Tile design and will involve design, fabrication and testing of prototype dimpled tiles that will be directly-coupled (i.e. in a fiberless fashion) to Silicon Photomultipliers.

PRECOLLEGIATE-UPWARD BOUND

Office of Postsecondary Education/Department of Education for "Upward Bound Program." Felicia R. Bohanon. Award: $517,748.00. (Cumulative $1,035,496.00). June 1, 2018 - May 31, 2019. (Other Sponsored Activities) Public Service.

Funds will be used to identify, select and serve 120 low-income, potential first generation college students who lack the adequate preparation to successfully pursue a postsecondary education and need academic support.

PSYCHOLOGY


This project proposes to develop and test a model that specifies the literacy and self-regulation (e.g., motivation and metacognition) skills and processes necessary to become a proficient academic reader in a sample of development education students.


Funds will be used to support a Psychology graduate student externship placement at Susan
Myket & Associates.

PUBLIC ADMINISTRATION


The purpose of this project is to provide a valuable experiential learning opportunity to a graduate student in NIU's MPA program.

SCHOOL OF ART AND DESIGN


This project funds collaboration and archival research in support of a scholarly manuscript on the sport of Roman chariot racing.


The purpose of the project is to investigate the science of vision to understand the role of optics in iconoclastic violence in the 16th Century Europe.

SCHOOL OF HEALTH STUDIES


The PI will identify potential sexual violence indicators from a CDC-provided database and to use established criteria to select indicators for us in an outcome evaluate.


Data collection, data management, reporting and technical support on the Illinois Behavioral Risk Factor Surveillance System (IL-BRFSS) conducted April 2018 through March 2019.

SOCIOLGY
Award: $18,987.00.

Research into the struggles over identity and ideology that are impacting political activism on college campuses, paying special attention to the influence of outside organizations funding campus groups.

STATISTICS

Casualty Actuarial Society (CAS) for "Maximum likelihood inference of predictive models for misrepresentation risk in GLM ratemaking." Chaoxiong Xia.
Award: $15,500.00.

To develop new algorithms for use in predictive analysis of misrepresentation risk in ratemaking for the insurance industry.

UNIVERSITY LIBRARIES

Award: $5,209.00. (Cumulative $33,362.00).

This is a collaborative project to increase engagement between Myanmar and US academic libraries by providing advanced training for Myanmar academic librarians.