NORTHERN ILLINOIS UNIVERSITY  
SPONSORED PROGRAMS ADMINISTRATION  

SUMMARY OF GRANT/CONTRACT AWARDS – FISCAL YEAR 2017  
January 1, 2017 – March 31, 2017

<table>
<thead>
<tr>
<th></th>
<th>THIS REPORT</th>
<th>FY 2017</th>
</tr>
</thead>
<tbody>
<tr>
<td>DOLLARS AWARDED BY SOURCE</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Federal Government</td>
<td>1,469,970</td>
<td>8,147,321</td>
</tr>
<tr>
<td>State of Illinois</td>
<td>130,379</td>
<td>7,911,375</td>
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<tr>
<td>Corporate</td>
<td>55,331</td>
<td>238,374</td>
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<tr>
<td>Public/Not for Profit</td>
<td>537,958</td>
<td>936,126</td>
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<tr>
<td>Foreign</td>
<td>0</td>
<td>256,119</td>
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<tr>
<td><strong>Total</strong></td>
<td><strong>2,193,638</strong></td>
<td><strong>17,489,315</strong></td>
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<table>
<thead>
<tr>
<th>DOLLARS AWARDED BY PURPOSE</th>
<th>THIS REPORT</th>
<th>FY 2017</th>
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<tbody>
<tr>
<td>Instruction</td>
<td>67,802</td>
<td>1,148,790</td>
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<tr>
<td>Research</td>
<td>1,374,899</td>
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<td>Public Service</td>
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<tr>
<td>Other Sponsored Activities*</td>
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<td>540,805</td>
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<tr>
<td><strong>Total</strong></td>
<td><strong>2,193,638</strong></td>
<td><strong>17,489,315</strong></td>
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<table>
<thead>
<tr>
<th>DOLLARS AWARDED BY COLLEGE</th>
<th>THIS REPORT</th>
<th>FY 2017</th>
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<tbody>
<tr>
<td>College of Business</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>College of Education</td>
<td>0</td>
<td>462,000</td>
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<tr>
<td>College of Engineering and Engineering Technology</td>
<td>219,695</td>
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<tr>
<td>College of Health and Human Sciences</td>
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<td>College of Law</td>
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<tr>
<td>College of Liberal Arts and Sciences</td>
<td>1,096,756</td>
<td>12,108,698</td>
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<tr>
<td>College of Visual and Performing Arts</td>
<td>820</td>
<td>53,170</td>
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<tr>
<td>Outreach, Engagement, and Information Technologies</td>
<td>401,973</td>
<td>1,689,463</td>
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<tr>
<td>Other Academic Units</td>
<td>470,394</td>
<td>2,420,664</td>
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<tr>
<td>Other University Units</td>
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<td>10,000</td>
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<tr>
<td><strong>Total</strong></td>
<td><strong>2,193,638</strong></td>
<td><strong>17,489,315</strong></td>
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ANTHROPOLOGY

National Science Foundation for "RAPID: Leveraging civil society and rebuilding Haiti following Hurricane Matthew." Mark Schuller.
Award: $38,026.00.

This research offers a timely, unique, and an urgently-needed opportunity to quickly assess the sociocultural ideologies, belief systems, practices and institutions that are central to the rebuilding effort of Haiti following Hurricane Matthew.

ART AND DESIGN

DeKalb County Community Foundation for "Promotion of ARTigras: A Celebration of the ARTS and COMMUNITY." Billie Giese.
Award: $820.00.
October 1, 2016 - September 30, 2017. (Other Sponsored Activities) Public Service.

This proposal requests support for promotional materials for ARTigras, to increase awareness and participation.

BIOLOGICAL SCIENCES

Illinois Department of Natural Resources for "Inventory of Amphibians and Reptiles in the Green River Conservation Opportunity Area." Richard B. King.
Award: $65,275.00.

To promote the development of the Green River Conservation Opportunity Area as a model for the protection and recovery of species of greatest need of conservation within the Grand Prairie Natural Division of Illinois.

CENTER FOR THE STUDY OF FAMILY VIOLENCE AND SEXUAL ASSAULT

Award: $149,918.00. (Cumulative $651,117.00).

This project provides ongoing assessment of family maltreatment within the Air Force and evaluation of prevention and treatment processes in the Family Advocacy and New Parent Support Programs.

Award: $27,592.00.

NIU undertakes data collection as part of a larger study assessing intimate partner violence in the military.
CHEMISTRY AND BIOCHEMISTRY


To establish a novel REU Site to enrich the education of students and advance the careers of undergraduates and faculty members from underserved populations and/or from institutions with limited research infrastructure.

COMPUTER SCIENCE


The NIU team will collaborate with the team at the University of Chicago to develop policies and protocols for deployment of hardware and software and to test and deploy experiments within the NIU testbed as part of the larger Chicago deployment.

GEOGRAPHY


This project provides one GA to the DeKalb County Economic Development Corporation to provide research services of mutual benefit to NIU and DCEDC.

GEOLOGY AND ENVIRONMENTAL GEOSCIENCES


To advancing scientific understanding of Earth by sampling, instrumenting and monitoring subseafloor environments using specialized ocean drilling platforms staffed by multidisciplinary research scientists.

GRADUATE SCHOOL, DEAN'S OFFICE


Funds will be used to provide graduate assistantships to two students from NIU's student life unit who will provide support to Waubonsee Community College, consistent with their expertise and training goals, under the direction of the Dean for Students.
Woodward, Inc. for "Building a Manufacturing Information System for Woodward." Purushothaman Damodaran.
Award: $12,692.00. (Cumulative $24,439.00).

This project will create standard work procedures for machines and processes at the new Woodward facility in Rockford, to ensure that it can safely and effectively begin to operate at full capacity by 2020.

Award: $26,807.00. (Cumulative $55,331.00).

This project implements a company-wide organization program based on lean manufacturing principles. The objective is to organize workstations/ departments/ assembly lines to reduce wasted time and effort.

Northwestern University for "Improving Patient Flow at the Rehabilitation Institute of Chicago." Christine Nguyen.
Award: $8,443.00. (Cumulative $39,577.00).

Northern Illinois University (NIU) will work with Northwestern University to research and develop policies for patient transport (including the scheduling of elevators and RIC staff and volunteers to assist with transportation).

Award: $15,832.00.

This project aims to understand and to suggest improvements toward optimizing the freight process at a company that handles large installations of pipes and other hardware involved in water treatment.

MATHEMATICAL SCIENCES

Simons Foundation for "Dynamics and Geometry in the Quasi-world." Alastair Fletcher.
Award: $7,000.00. (Cumulative $14,000.00).
September 1, 2016 - August 31, 2017. (Organized Research) Basic Research.

This project aims to build on existing collaborations and forge new ones in areas of the PI's expertise relating to quasiconformal mappings including, in particular, Teichmueller theory and the iteration theory of quasiregular mappings.
MECHANICAL ENGINEERING

Award: $155,921.00. 

Funds are requested for the Northern Illinois University additive manufacturing laboratory to fabricate validation samples using laser-engineered net shaping (LENS) process. 

NORTHERN PUBLIC RADIO 

Illinois State Library for "Northern Illinois Radio Information Service (NIRIS)." Staci Hoste. 
Award: $23,183.00. 
July 1, 2016 - June 30, 2017. (Other Sponsored Activities) Public Service. 

Funds are used to provide informational services for persons who cannot read conventional print due to visual or physical disability, and because individual libraries cannot provide such services. 

NURSING 

Sigma Theta Tau International for "Survey of Concerns Most Important to Parents After Their Children's Suicide Attempt: A Pilot Study." Kari Hickey/Jeanette Rossetti. 
Award: $4,000.00. 
May 1, 2016 - August 1, 2017. (Organized Research) Basic Research. 

The goal of this research is to create and pilot an acceptable and effective survey to parents whose child has made a non-lethal suicide attempt so that their needs and concerns are known. 

OFFICE OF EDUCATION SYSTEM INNOVATION 

Illinois State Board of Education for "Early Childhood Development (Governor's Office of) for RTTT Early Learning Challenge." Jonathan Furr. 
Award: $107,196.00. (Cumulative $901,727.00). 

Facilitation and support of Data and Outcomes management, Licensing and QRIS Integration policy. 

OUTREACH, ENGAGEMENT, AND REGIONAL DEVELOPMENT, VP 

Illinois State Board of Education for "Rochelle Migrant Education Program - Year Round." Amy Jo Clemens. 
Award: $20,927.00. 
July 1, 2016 - June 30, 2017. (Other Sponsored Activities) Public Service. 

The Year-Round Rochelle Migrant Education Program is a program that offers tutoring to migrant children in Northern and North-West Illinois.
PHYSICS

Award: $48,999.00.

The main goal of this project will investigate the development of electron-optical components and accessories for single-shot MeV UEM.

Argonne National Laboratory for "FY16 Joint ANL/NIU Appointment." Zhili Xiao.
Award: $114,925.00. (Cumulative $228,396.00).
August 16, 2016 - August 15, 2017. (Organized Research) IPA or Joint Appointment.

Funds will be used to support the appointment of an NIU faculty member to conduct research and development activities under the direction and guidance of Argonne National Laboratory.

Award: $15,000.00.

Funds will be used to develop a beam-dynamics model of the field emission source options and explore the beam performance and loss mitigation throughout identified superconducting cavity design(s).

Award: $17,035.00.

The NIU's Beam Physics group will participate in the beam-dynamics simulation and optimization necessary to demonstrate the possible use of patterned cathode to coherent and multi-color light sources.

Fermi National Accelerator Laboratory for "Development of the MU2E Preliminary Design." David R. Hedin/Vishnu V. Zutshi/Nicholas Pohlman.
Award: $45,027.00. (Cumulative $429,186.00).

The purpose of this project is to support NIU's role in developing the Muon Beamstop, SiPM Characterization, and design of the Upstream Extinction Monitor.

Argonne National Laboratory for "Joint Appointment ANL/NIU." Andreas Glatz.
Award: $129,863.00. (Cumulative $259,807.00).
August 16, 2016 - August 15, 2017. (Organized Research) IPA or Joint Appointment.

Funds are being used for a joint appointment between NIU and Argonne in support of Dr. Andreas Glatz.
Argonne National Laboratory for "Development and Publication on Theoretical Physics." Andreas Glatz.
Award: $23,737.00.

Funds will be used in the aims of creation of the theoretical platform for the efficient quantum heat engine utilizing the possibility of the local violation of the second law of thermodynamics in quantum systems.

Award: $36,779.00. (Cumulative $117,995.00).

The purpose of this project is to study the effects of chemical substitutions and external pressures on the superconducting and structural properties of diverse pnictide families.

PSYCHOLOGY

Award: $23,452.00. (Cumulative $67,420.00).

Funding will support the PI's time for methodological consultation on trauma and stress measures and project design, and clinical consultation on the development of an adapted mindfulness-based stress reduction program for 911 telecommunicators.

American Psychological Association for "APA Dissertation Research Award." Christopher J. Budnick.
Award: $1,000.00.

This study will inform the job search intervention literature concerning the efficacy of technology-mediated job search interventions geared toward undergraduate students enrolled in four-year degree programs.

PUBLIC ADMINISTRATION

Village of Dolton for "Administrative Intern (Tasheik Kerr)." Denise Burchard.
Award: $3,850.00. (Cumulative $3,850.00).
December 16, 2016 - May 15, 2017. (Instructional Programs) Instructional Programs.

The Intern provides support for day-to-day operations by performing the essential duties outlined below and other duties assigned. The intern provides administrative and staff support to the programs and services of the Village of Dolton.
CASA DeKalb County, Inc. for "CASA DeKalb County Intern (Jessica Sandlund)." Denise Burchard.
Award: $29,440.00.

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

Little City of Palatine for "Administrative Internship - Luis Rodriguez." Denise Burchard.
Award: $2,695.00.
February 1, 2017 - May 15, 2017. (Instructional Programs) Instructional Programs.

Funds will support an administrative master's level internship for Luis Rodriguez.

REGIONAL DEVELOPMENT INSTITUTE

Award: $250,667.00. (Cumulative $514,768.00).

NIU will build on its existing work with the Illinois Health Information Technology Regional Extension Center (IL-HITREC) in developing relationships with medical practices to help them achieve clinical transformation.

UNIVERSITY LIBRARIES

Award: $448,893.00.

A total of 5400 dime novels will be digitized and made freely available to read and download via the website Nickels and Dimes.