# Summary of Grant/Contract Awards – Fiscal Year 2018

January 1, 2018 – March 31, 2018

<table>
<thead>
<tr>
<th>Source</th>
<th>THIS REPORT</th>
<th>CUMULATIVE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Federal Government</td>
<td>1,898,094</td>
<td>15,130,356</td>
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<tr>
<td>State of Illinois</td>
<td>53,667</td>
<td>7,735,133</td>
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<tr>
<td>Corporate</td>
<td>208,315</td>
<td>423,741</td>
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<tr>
<td>Public/Not for Profit</td>
<td>236,791</td>
<td>671,364</td>
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<tr>
<td>Foreign</td>
<td>0</td>
<td>96,173</td>
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<tr>
<td><strong>Total</strong></td>
<td><strong>2,396,867</strong></td>
<td><strong>24,056,767</strong></td>
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<table>
<thead>
<tr>
<th>Purpose</th>
<th>THIS REPORT</th>
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<tbody>
<tr>
<td>Instruction</td>
<td>48,919</td>
<td>1,580,622</td>
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<tr>
<td>Research</td>
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<tr>
<td>Public Service</td>
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<tr>
<td>Other Sponsored Activities*</td>
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<td>462,529</td>
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<tr>
<td><strong>Total</strong></td>
<td><strong>2,396,867</strong></td>
<td><strong>24,056,767</strong></td>
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<table>
<thead>
<tr>
<th>College</th>
<th>THIS REPORT</th>
<th>CUMULATIVE</th>
</tr>
</thead>
<tbody>
<tr>
<td>College of Business</td>
<td>0</td>
<td>295,684</td>
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<tr>
<td>College of Education</td>
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<tr>
<td>College of Engineering and Engineering Technology</td>
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<td>532,788</td>
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<tr>
<td>College of Health and Human Sciences</td>
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<tr>
<td>College of Law</td>
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<tr>
<td>College of Liberal Arts and Sciences</td>
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<tr>
<td>College of Visual and Performing Arts</td>
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<tr>
<td>Outreach, Engagement, and Regional Development</td>
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<tr>
<td>Other Academic Units</td>
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<tr>
<td>Other University Units</td>
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<tr>
<td><strong>Total</strong></td>
<td><strong>2,396,867</strong></td>
<td><strong>24,056,767</strong></td>
</tr>
</tbody>
</table>

ANTHROPOLOGY

Sustainable Agriculture Research and Education for "Agricultural Opportunities and Obstacles: Comparing New and Veteran Farmers’ Experiences." Emily McKee.
Award: $1,500.00.

To present a workshop for northern Illinois farmers and farming educators on diversified and sustainable agriculture.

ART MUSEUM

Award: $8,200.00.

Funds will be used to support the Art Museum's 2016-17 season exhibitions and their related publication and educational program offerings.

BIOLOGICAL SCIENCES

National Geographic Society for "Assessing island recovery from invasive predators globally." Holly Jones.
Award: $34,250.00.

To measure the extent to which island-breeding seabirds and their influence on ecosystem functioning recover following rodent eradication.

CENTER FOR ECONOMIC EDUCATION

Award: $34,335.00.
July 1, 2017 - June 30, 2018. (Instructional Programs) Instructional Programs.

Funding is being used to support outstanding teacher training and innovative economic education programs for students.

CENTER FOR SOUTHEAST ASIAN STUDIES

Department of State for "FY 2017 Southeast Asia Youth Leadership Program." Eric A. Jones.
Award: $496,366.00. (Cumulative $995,393.00).
March 2, 2018 - March 1, 2019. (Other Sponsored Activities) Public Service.

Sixty students from Southeast Asian nations will engage in learning activities on thematic topics: (1) Access and Equity, (2) Green Technology and Economic Growth, and (3) Securing
ASEAN’s Future.

CHEMISTRY AND BIOCHEMISTRY


To generate novel and user-friendly lifter-based fingermark detection devices that will be applicable in standard police work, as well as in counter-terrorism and covert operations.

Argonne National Laboratory for "Joint Appointment Dr. Tao Li." Tao Li. Award: $38,953.00. (Cumulative $77,710.00). May 16, 2018 - August 15, 2018. (Organized Research) IPA or Joint Appointment.

Funds are being used for a joint appointment between NIU and Argonne in support of Dr. Tao Li.

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/Carrie Kortegast/Suzanne Degges-White. Award: $102,000.00. (Cumulative $204,000.00). September 30, 2017 - September 29, 2018. (Other Sponsored Activities) Public Service.

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.

ELECTRICAL ENGINEERING


This service contract implements portions of the ZigBee standard in software C++ in the NS3 simulator, to allow the confidential sponsor to perform specified evaluations.

FACULTY DEVELOPMENT

The purpose of the project is to develop a benchmarking study of faculty development programs, resources, services offered in support of online and distance learning within U.S. higher education.

INDUSTRIAL AND SYSTEMS ENGINEERING

Jamco Products for "Quality and Lean Initiatives at Jamco Products." Purushothaman Damodaran.
Award: $30,939.00.

This project will minimize quality defects/issues in welding at JamCo Products; develop a value stream map for the cabinet assembly line; and, create, track and develop metrics and key performance indicators for the cabinet assembly line. Engineering Solutions On Site for "Quality Management System and Paperless Manufacturing." Purushothaman Damodaran.
Award: $36,464.00.

This project proposes to transform the quality management system of an area parts-supply business to the latest standards and to improve productivity through efficient data collection systems. National Express LLC for "Improving CSC Management Productivity." Purushothaman Damodaran/Christine Nguyen/Ziteng Wang/Ehsan Asoudegi.
Award: $60,175.00.

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.

INSTITUTE FOR THE STUDY OF ENVIRONMENT, SUSTAINABILITY & ENERGY

Award: $62,000.00. (Cumulative $112,000.00).

Funds are requested to develop a comprehensive consumer outreach and education plan on electrical smart meters and related energy efficiency programs for the Rockford area.

JOBS PLUS

Award: $34,467.00.
January 1, 2018 - August 31, 2018. (Other Sponsored Activities) Other.
The purpose of the project is to provide valuable career-related work experiences to students that are applicable to their fields of study.

KINESIOLOGY AND PHYSICAL EDUCATION

DeKalb Township for "Girls Boxing Club." Jennifer Jacobs.
Award: $500.00.

The purpose of the project is to engage a group of adolescent girls in an after school boxing club to empower youth, foster leadership, and encourage healthy body image.

MECHANICAL ENGINEERING

General Motors Company for "High Velocity Forming Limit Diagram Test for Gen3 BPP." Jenn-Terng Gau.
Award: $39,000.00.

Dr. Jenn-Terng Gau and his research team at NIU will conduct this service for GM, high velocity limited dome height tests (LDH) using 20 mm punch and associated dies available at NIU lab.

NURSING

Illinois Board of Higher Education for "Nurse Fellowship." Jie Chen.
Award: $10,000.00.
December 12, 2017 - June 11, 2018. (Instructional Programs) Instructional Programs.

This fellowship will acknowledge and reward the exceptional service of Jie Chen to the School of Nursing and its students.

OUTREACH, ENGAGEMENT, AND REGIONAL DEVELOPMENT, VP

Illinois State Board of Education for "Year Round Migrant Education." Amy Jo Clemens.
Award: $29,252.00.
July 1, 2017 - June 30, 2018. (Other Sponsored Activities) Public Service.

The purpose of the funds is to provide migrant children a comprehensive year-round school program with academic and supportive services including tutoring and/or enrichment activities.

PHYSICS

Fermi National Accelerator Laboratory for "Development of the MU2E Preliminary Design." David R. Hedin/Nicholas Pohlman/Vishnu V. Zutshi.
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.


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.


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.


Funds are being used for a joint appointment between NIU and Argonne in support of Dr. Andreas Glatz.


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.


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

State University of New York at Stony Brook for "ATLAS Detector Upgrade R&D for High-Luminosity LHC." Dhiman Chakraborty.
Award: $59,612.00.

Funds are requested for assembly and testing of Low-Voltage Power Supply units for on-detector electronics of the ATLAS Tile Hadronic Calorimeter.

National Science Foundation for "REU Site: Undergraduate and teacher research in physics at Northern Illinois University." Jahred Adelman/Michael Eads.
Award: $68,827.00.

This project aims to fund a new REU site, based at the Department of Physics of Northern Illinois University.

Argonne National Laboratory for "Joint ANL/NIU Appointment." Zhili Xiao.
Award: $114,833.00. (Cumulative $343,229.00).

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.

POLITICAL SCIENCE

Award: $12,000.00.

This project will examine the underlying thought behind the foreign policy of President George W. Bush.

PSYCHOLOGY

University of Michigan for "Teacher Learning to Facilitate Communication and Reasoning Through Inquiry with History and Social Science Sources." Anne Britt/Amanda M. Durik.
Award: $83,292.00.

This project will develop measures and devise scoring procedures to assess teachers' beliefs, conduct case studies, analyze, summarize, and interpret data relevant to teachers' beliefs.

Award: $1,540.00.
Funds are used to investigate the predictors of academic achievement and complete mental health (i.e., combination of high subjective well-being and low psychopathology) in a sample of early adolescents (i.e., ranging from age 11 to 14). Society for the Study of School Psychology for "Does social support buffer the mediation effect of rumination in the association between traditional peer victimization and depression in adolescents?." Nicole Dorio/Michelle Demaray. Award: $2,790.00. January 1, 2018 - May 15, 2019. (Organized Research) Basic Research.

The current study focuses on the negative outcome of depression often associated with experiencing victimization and explores rumination as mediator in this association.


Funds will support a placement at KishHealth System Ben Gordon Center for two Psychology graduate students.

PUBLIC SAFETY


The purpose of the project is the purchase of trauma supplies for officers in the NIU Department of Police and Public Safety.