

NORTHERN ILLINOIS UNIVERSITY
OFFICE OF SPONSORED PROJECTS

SUMMARY OF GRANT/CONTRACT AWARDS – FISCAL YEAR 2009

October 1, 2008 – December 31, 2008

	<u>THIS REPORT</u>	<u>FY 2009 CUMULATIVE</u>
<u>DOLLARS AWARDED BY SOURCE</u>		
Federal Government	4,911,546	15,390,411
State of Illinois	3,607,671	5,073,249
Corporate	22,619	214,064
Public/Not for Profit	235,523	2,414,174
Foundation	78,746	127,320
Foreign	3,164	148,246
 Total	 8,859,269	 23,367,464
<u>DOLLARS AWARDED BY PURPOSE</u>		
Instruction	557,175	854,753
Research	1,331,671	11,840,341
Public Service	4,295,174	6,626,141
Other	1,732,875	2,659,769
Academic Support	3,164	447,250
Student Services	939,210	939,210
 Total	 8,859,269	 23,367,464
<u>DOLLARS AWARDED BY COLLEGE</u>		
College of Business	0	0
College of Education	2,438,096	3,204,699
College of Engineering and Engineering Technology	669,244	4,909,907
College of Health and Human Sciences	16,500	65,074
College of Law	0	0
College of Liberal Arts and Sciences	928,273	4,057,669
College of Visual and Performing Arts	42,145	42,145
Other Academic Units	2,996,758	3,556,554
Other University Units	1,768,253	7,531,416
 Total	 8,859,269	 23,367,464

ALLIED HEALTH AND COMMUNICATIVE DISORDERS

DeKalb County Community Foundation for Computer for Falls Prevention Program.” Hamid Bateni.

Award: \$3,000.00.

October 1, 2008 – November 30, 2008. Public Service.

Funds were used to purchase a computer for a falls prevention program that works with older adults.

University of Illinois at Urbana-Champaign for “Developing Disability Access Metrics for Postsecondary Education.” Sue Ouellette.

Award: \$5,500.00 (Cumulative Award: \$16,294.00).

September 13, 2006 – August 23, 2008. Public Service.

Funds were used to allow the Principal Investigator to assist in the overall planning, execution, evaluation and refinement of all aspects of the year 3 project and to assume primary responsibility for the development of orientation modules for presentation at regional conferences.

ART MUSEUM

Illinois Arts Council for “NIU Art Museum 2008-2009 Exhibit Season.” Josephine Burke.

Award: \$10,450.00.

September 1, 2008 – August 31, 2009. Public Service.

Funds are being used to support the Art Museum’s 2008-2009 season exhibitions and their related publications and educational program offerings.

DeKalb County Community Foundation for “‘Community Windows III’ Poster Exhibit.” Josephine Burke.

Award: \$2,650.00.

January 1, 2009 – September 30, 2009. Public Service.

Funds are being used for the development of posters for a display entitled “Community Windows III” that highlights ten cultural non-profit organizations and museums throughout DeKalb County.

BIOLOGICAL SCIENCES

Illinois State Board of Education for “Mastering Biology Teaching with Content, Pedagogy, and Technology.” Jon Miller.

Award: \$52,203.00 (Cumulative Award: \$193,491.00).

September 14, 2007 – August 31, 2009. Instructional.

Funds continue to be used to establish a Master's program for teachers to pursue certification in science areas.

CENTER FOR GOVERNMENTAL STUDIES

University of Baltimore for "Administrative Data Research and Evaluation (ADARE) Supplemental Proposal." John Baj.

Award: \$150,000.00.

June 25, 2008 – December 31, 2009. Research.

Funds are being used to continue an investigation of former TANF recipients who enter the workforce. The overall goal will be to advance the state-of-the-art "profiling" of cash resistance recipients. The resulting information will be used to improve strategic assignment of cash assistance recipients to different types and levels of service.

CENTER FOR THE STUDY OF FAMILY VIOLENCE AND SEXUAL ASSAULT

Kansas State University for "Domestic Violence Risk Assessment Project Phase III." Joel Milner.

Award: \$79,760.00.

July 1, 2008 – June 30, 2010. Research.

Funds are being used to begin the process of providing predictive validity data on the Joint Military Services Spouse Physical Maltreatment Risk Assessment tool developed in Phases I and II of an ongoing research program.

CENTER ON CHILD WELFARE AND EDUCATION/COLLEGE OF EDUCATION

Illinois Department of Children and Family Services for "Educational Access Project." Angela Baron-Jeffrey/Lemuel Watson.

Award: \$2,193,457.00 (Cumulative Award: \$7,694,020.00).

July 1, 2006 – June 30, 2009. Public Service.

Funds continue to be used to promote academic success for every child who is a ward of the Illinois Department of Children and Family Services and children who have been adopted or are in subsidized guardianship.

CHEMISTRY AND BIOCHEMISTRY

Argonne National Laboratory for "Solar Thermoelectric Energy Conversion in Porous Nanocomposites." Tao Xu.

Award: \$29,922.00 (Cumulative Award: \$112,264.00).

January 1, 2007 – December 21, 2009. Research.

Funds continue to be used to support a collaborative research effort between the Superconductivity & Magnetism Group in the Materials Science Division (MSD) and the NIU

Department of Chemistry to investigate solar thermoelectric energy conversion in porous nanocomposites.

COLLEGE OF ENGINEERING AND ENGINEERING TECHNOLOGY

Illinois State Board of Education for “Integrated Technology and Engineering to Advance Math and Science.” Mansour Tahernezhad.

Award: \$250,000.00.

September 1, 2008 – August 31, 2009. Instructional.

Funds are being used for the implementation of a Master’s program in engineering and technology targeted for certified teachers of middle and secondary schools.

Shure Incorporated for “Viability of CDMA for Wireless Transmission of Real-Time, High Fidelity, Audio.” Mansour Tahernezhad.

Award: \$7,857.00.

August 25, 2008 – December 12, 2008. Research.

Funds were used to review the use of Code-division multiple-access (CDMA) and its viability for use in a high-fidelity wireless audio system, geared towards high-tier conferencing applications.

COLLEGE OF ENGINEERING AND ENGINEERING TECHNOLOGY/INDUSTRIAL ENGINEERING

Argonne National Laboratory for “Modeling and Simulation of an Emergency Evacuation Scenario for the Chicago Metropolitan Area.” Promod Vohra/Omar Ghrayeb.

Award: \$74,972.00 (Cumulative Award: \$464,629.00).

September 1, 2007 – February 28, 2009. Research.

Funds continue to be used for model development and validation of selected emergency evacuation scenarios, identify development needs for highest priority and realistic simulation as well as visualization capabilities.

COLLEGE OF ENGINEERING AND ENGINEERING TECHNOLOGY/MECHANICAL ENGINEERING

Argonne National Laboratory for “Nonlinear Analysis of Cable-Stay Bridge Cables.” Promod Vohra/Abhijit Gupta.

Award: \$109,991.00.

October 1, 2008 – September 30, 2009. Research.

Funds are being used to perform modeling and simulation of bridge stay cable vibrations.

Argonne National Laboratory for “Hydraulics and Aerodynamics Research in Transportation Applications.” Promod Vohra/Pradip Majumdar/Milivoje Kostic.
Award: \$149,924.00 (Cumulative Award: \$313,312.00).
May 15, 2007 – September 30, 2009. Research.

Funds continue to be used for the Study of Computational Fluid Dynamics based simulation techniques for transportation applications.

COLLEGE OF VISUAL AND PERFORMING ARTS EXTERNAL PROGRAMMING

Illinois Arts Council for “T. Daniel Productions Performance.” Deborah Booth.
Award: \$535.00.
April 1, 2009 – May 15, 2009. Public Service.

Funds will be used to support a performance by T. Daniel Productions.

COMPUTER SCIENCE

University of Chicago for “SCI: ETF Grid Infrastructure Group: Providing System Management and Integration for the TeraGrid.” Nicholas Karonis.
Award: \$105,000.00 (Cumulative Award: \$367,496.00).
August 1, 2005- July 31, 2009. Research.

Funds continue to be used to develop technology enabling the co-scheduling of inter-site resources on the TeraGrid.

ECONOMICS

Illinois Council on Economic Education for “Economic Education Center.” Stephen Karlson.
Award: \$900.00 (Cumulative Award: \$3,465.00).
January 1, 2004 – December 31, 2009. Other.

Funds continue to be used to support the activities of the Office for Economic Education in the Economics department.

EDUCATIONAL TECHNOLOGY, RESEARCH AND ASSESMENT

Boston College for “Urban Ecology Course Materials Created with a Universal Design for Learning Framework.” Lisa Yamagata-Lynch.
Award: \$47,404.00 (Cumulative Award: \$134,843.00).
October 1, 2006 – September 30, 2009. Research.

Funds continue to be used to identify several partnership schools to participate in a yearlong urban ecology curriculum implementation.

ELECTRICAL ENGINEERING/COLLEGE OF ENGINEERING AND ENGINEERING TECHNOLOGY

Motorola Foundation for “NIU – Enhancing Engineering Pathways (NIU-EEP) – Combined Outreach and Mentoring Programs.” Suma Rajashankar/Mansour Tahernehadi/Promod Vohra.
Award: \$50,000.00.
September 1, 2008 – June 30, 2009. Public Service.

Funds are being used to create two summer camps and two Saturday workshops for middle- and high-school age girl scouts. The camps are designed to generate interest in engineering careers by providing hands-on projects and exposing the participants to female role models.

FAMILY, CONSUMER AND NUTRITION SCIENCES

Illinois State University for “Career and Technical Education: Educating the New Green Workforce.” Sally Arnett.
Award: \$8,000.00.
October 16,2008 – June 15, 2009. Instructional.

Funds are being used to develop and implement a career and technical education curriculum related to the green workforce.

GEOLOGY AND ENVIRONMENTAL GEOSCIENCES

National Park Service/Department of the Interior for “Marine Benthic Habitat Mapping in Muir Inlet, Glacier Bay National Park.” Ross Powell.
Award: \$15,000.00.
August 30, 2008 – May 15, 2009. Research.

Funds are being used to construct comprehensive marine benthic habitat and geologic maps for Muir Inlet in Glacier Bay National Park in Alaska.

KINESIOLOGY AND PHYSICAL EDUCATION

Great Lakes Athletic Trainers’ Association (GLATA) for “Work Family Conflict Among High School Athletic Trainers.” Pitney III, William..
Award: \$1,470.00.
November 15,2008 – March 15, 2010. Research.

Funds will be used for an investigation of work family conflict experienced by certified athletic trainers working in the high school setting.

LEADERSHIP, EDUCATIONAL PSYCHOLOGY AND FOUNDATIONS/EDUCATIONAL TECHNOLOGY, RESEARCH AND ASSESMENT

National Science Foundation for “Development of a Cognitive Tutor for Training Social and Behavioral Science Students in Fundamentals.” M Cecil Smith/Thomas Smith/Wei-Cheng Hung.

Award: \$150,000.00.

September 15,2008 – August 31, 2011. Research.

Funds are bring used to develop an online system as a cognitive tutor to assist undergraduate students in learning social science research methods.

MATHEMATICAL SCIENCES

Illinois State Board of Education for “Excellence in the Middle: Enhancing Mathematics Pedagogy with Connections in Science and Engineering.” Helen Khoury.

Award: \$246,972.00.

September 1, 2008 – August 21, 2009. Instructional.

Funds are being used to establish a graduate teaching program to establish a middle and secondary school mathematics endorsement program with focused science connections.

MECHANICAL ENGINEERING

Perkins Manufacturing Company for “ Failure Analysis and Design Improvement on Perkins Automated Container.” Shin-Min Song.

Award: \$6,500.00.

October 8, 2008 – January 21, 2009. Research.

Funds were used to perform an analysis of and provide solutions to the jitter motion of the Perkins Automated Container and to conduct a failure analysis of Critical structural elements.

MOTORCYCLE SAFETY

Illinois Department of Transportation for “Motorcycle Safety Program.” Robert Ritter.

Award: \$316,000.00 (Cumulative Award: \$1,195,466.00).

December 1, 2007 – November 30, 2008. Public Service.

Funds were used to conduct motorcycle safety classes.

Illinois Department of Transportation for “Motorcycle Safety Program.” Robert Ritter.

Award: \$1,025,456.00.

December 1 , 2008 – November 30, 2009. Public Service.

Funds are being used to conduct motorcycle safety classes.

NORTHERN PUBLIC RADIO

Kishwaukee United Way for “FY09 KUW – NIRIS.” Tim Emmons.

Award: \$500.00.

March 1, 2008 – February 28, 2009. Public Service.

Funds were used to provide NIRIS reader services.

Corporation for Public Broadcasting for “FY09 Community Service Grant.” Tim Emmons.

Award: \$198,274.00.

October 1, 2008 – September 30, 2010. Public Service.

Funds are being used to support high quality public broadcasting.

Illinois State Library for “FY09 ISL – NIRIS.” Tim Emmons.

Award: \$28,273.00.

July 1, 2008 – June 30, 2009. Public Service.

Funds are being used to provide information services to the visually impaired.

PHYSICS

Argonne National Laboratory for “Salary Support for Sabbatical.” Omar Chmaissem.

Award: \$20,059.00 (Cumulative Award: \$87,687.00).

September 15, 2008 – June 14, 2009. Research.

Funds continue being used to provide half of PI’s 9-month salary while on sabbatical leave at Argonne National Laboratory to continue his research projects.

National Science Foundation for “New Pathways to Strongly Correlated and Multi-Functional Transition Metal Perovskites: Phase Stability and Properties by Design.” Bogdan Dabrowski.

Award: \$130,000.00 (Cumulative Award: \$260,000.00).

January 15, 2008 – December 21, 2009. Research.

Funds continue to be used for materials research of strongly correlated transition metal AMO₃ perovskites with atomically organized local structures. Noxel perovskites with slightly distorted crystal structures and sub-nanometer layered heterostructures synthesized by design with concomitant properties measurements will provide a basis for understanding the competing roles of interactions which determine stability and physical behavior. This work will develop new synthesis tools and measurement techniques of structural and physical properties of perovskites of Mn, Fe, and Co, and provide highly accurate data for description of these properties in terms of fundamental interactions and geometrical parameters for pursuit of theoretical insights.

Fermi National Accelerator Laboratory for “FY09 Joint Appointment NIU/FNAL.” Philippe Piot.

Award: \$40,090.00.

August 16, 2008 – May 15, 2009. Research.

Funds are being used to support one-half of the PI’s 9-month academic salary as a joint faculty appointee of the Department of Physics and Fermi National Accelerator Laboratory.

Argonne National Laboratory for “Nanoscale Studies of Structure and Function of Oxide and Nitride Films.” Carol Thompson.

Award: \$85,597.00.

January 1, 2009 – August 15, 2009. Research.

Funds are being used to study the nucleation and growth on ultra fast time scales and nanoscale spatial scales relevant to further understanding of the polarization dynamics in nanoscale ferroelectric heterostructures.

PROVOST’S OFFICE

Office for Victims of Crime/U.S. Department of Justice for “Mass Shooting that Occurred February 14 in Cole Hall Lecture Auditorium.” Raymond Alden III.

Award: \$1,682,225.00.

February 1, 2008 – June 30, 2010. Other.

Funds are being used to support expenses occurring immediately following the 2/14 event (e.g., memorial, counseling support, etc.), as well as supporting the newly established Office of Support and Advocacy.

U.S. Department of Education for “NIU: Responding to the Trauma of an Incident of Mass Violence.” Raymond Alden III.

Award: \$396,919.00.

September 18, 2008 – September 17, 2009. Public Service.

Funds are being used to add additional, temporary staff for counseling and employee relations campus units to address mental health consequences and to restore the NIU learning environment following the tragic events of February 14th by developing a threat assessment protocol.

PSYCHOLOGY

National Institute of Mental Health/NIH/DHHS for “Behavioral Autonomic and Endocrine Regulation in Depression and Heart Disease.” Angela Grippo.

Award: \$68,408.00.

February 1, 2008 – January 31, 2009. Research.

Funds were used to investigate the hypothesis that neural mechanisms involving oxytocin underlie the documented association between depression and heart disease.

PUBLIC ADMINISTRATION/CENTER FOR GOVERNMENTAL STUDIES

U.S. Department of Housing and Urban Development for “Increasing Affordable Rental Housing in Suburban Communities.” Heidi Koenig/Adrienne Merced Holloway.

Award: \$14,721.00.

September 24, 2008 – September 24, 2009. Research.

Funds are being used to investigate whether Illinois municipalities view affordable housing provision as an asset rather than an expensive redistributive program by virtue of the number of Housing Choice Voucher (HCV) recipients that were absorbed by suburban municipalities.

PUBLIC OPINION LABORATORY

Center for Policy Research for “Healthy Relationship Project.” Linda Novotny.

Award: \$4,572.00 (Cumulative Award: \$22,596.00).

July 1, 2006 – September 30, 2009. Public Service.

Funds continue to be used to conduct interviews with individuals involved in the Healthy Relationship Project in order to evaluate the Relationship for Real Life program.

Strategic Management Alliance, LLC for “Midlothian Park District Surveys.” Linda Novotny.

Award: \$484.00 (Cumulative Award: \$3,542.00).

February 7, 2008 – October 9, 2008. Public Service.

Funds were used to conduct a survey of residents of the Midlothian Park District for Strategic Management Alliance.

Strategic Management Alliance, LLC for “Arlington Heights Park District Proposal.” Linda Novotny.

Award: \$4,327.00.

November 14, 2008 – January 31, 2009. Public Service.

Funds were used to conduct a survey regarding the Arlington Heights Park District for Strategic Management Alliance.

Children’s Memorial Hospital for “Illinois Health Survey Pilot Project.” Lorayn Olson.

Award: \$24,996.00 (Cumulative Award: \$129,541.00).

January 1, 2008 – July 31, 2009. Research.

Funds continue to be used to conduct a pilot of a health survey to approximately 500 families in Chicago.

T.D. Williamson for “Telephone Survey for T.D. Williamson.” Lorayn Olson.
Award: \$5,262.00.
October 1, 2008 – March 31, 2009. Public Service.

Funds are being used to conduct a telephone survey for T.D. Williamson.

PUBLIC SAFETY

U.S. Department of Justice for “Emergency Medical Technician Equipment.” Donald Grady/Darren Mitchell.
Award: \$49,750.00.
December 26, 2007 – December 25, 2010. Other.

Funds continue to be used to purchase emergency kits for campus buildings and police bicycles.

RESEARCH EVALUATION AND POLICY STUDIES

Aurora East School District #131 for “Smaller Learning Communities Grant Evaluation.” Brent Wholeben.
Award: \$45,765.00.
December 21, 2007 – December 21, 2010. Public Service.

Funds continue to be used to identify, collect and analyze data related to continuous formative assessment and summative evaluation of district processes and student outcomes.

SCHOOL OF ART

Target for “Images of the Maya Past and Artistry of the Maya Present: Contemporary Woodcarving and Cultural Identity in Yucatan, Mexico.” Jeff Kowalski.
Award: \$3,000.00.
August 31, 2009 – September 25, 2009. Public Service.

Funds will be used to support a visit to NIU by artists from the Yucatan.

SCHOOL OF MUSIC

Finnish Composers' Copyright Society, Teosto for “Composition by Rikka Talvitie for Clarinet and Bass Clarinet.” Gregory Barrett.
Award: \$3,164.00.
November 1, 2008 – October 31, 2009. Academic Support.

Funds are being used to commission an original composition by Finnish clarinetist Rikka Talvitie.

Dutton (George & Betty) Foundation for “Support for School of Music Graduate Assistants.”
Paul Bauer.

Award: \$9,346.00.

August 1, 2008 – July 31, 2009. Student Services.

Funds are being used to provide stipend support for two graduate assistants in the School of Music.

Liberace Foundation for “Scholarship Support for the NIU Liberace Jazztet.” Paul Bauer.

Award: \$13,000.00.

August 1, 2008 – July 31, 2009. Student Services.

Funds are being used to provide scholarship support to Liberace Scholars in the NIU Liberace Jazztet.

STUDENT FINANCIAL AID

U.S. Department of Education for “Student Educational Opportunity Grant (SEOG) 2009.”

Kathleen Brunson.

Award: \$836,864.00.

July 1, 2008 – June 30, 2009. Student Services.

Funds are being used to assist eligible students.

U.S. Department of Education for “Federal Workstudy Job Locator Program 2009.” Kathleen Brunson.

Award: \$50,000.00.

July 1, 2008 – June 30, 2009. Student Services.

Funds are being used to assist eligible students.

U.S. Department of Education for “Federal Workstudy America Reads 2009.” Kathleen Brunson.

Award: \$15,000.00.

July 1, 2009 – June 30, 2009. Student Services.

Funds are being used to assist eligible students.

U.S. Department of Education for “Federal Workstudy America Counts Program 2009.”

Kathleen Brunson.

Award: \$15,000.00.

July 1, 2008 – June 30, 2009. Student Services.

Funds are being used to assist eligible students.

TECHNOLOGY

University of Illinois at Chicago for “Development of Continuity of Operations Tabletop Exercises.” Dennis Cesarotti.

Award: \$20,000.00.

April 1, 2008 – August 8, 2008. Research.

Funds were used to assist the Chicago Department of Public Health simulate a pandemic in order to evaluate their response and make performance improvements.

UNIVERSITY LIBRARIES

DeKalb County Community Foundation for “NIU Memorial Quilt Honoring Victims of the February 14th Campus Shooting.” Rebecca Martin.

Award: \$750.00.

September 1, 2008 – February 28, 2009. Public Service.

Funds were used for materials to complete a memorial quilt that was assembled in honor of the victims of the February 14th shooting on the NIU campus.