

NEW FACULTY START-UP FUNDS AVAILABLE

All new tenure-track faculty with appointments beginning July 1, 2008, are eligible for a \$3,500 start-up award as described below.

New faculty are asked to register for COS (www.cos.com) and fill out CV information in their COS Expertise profiles before receiving their start-up funds. The research description and COS keywords will be used by the Graduate School to conduct funding searches for faculty.

Faculty beginning any time after July 1 must request start-up funds prior to December 1.

The initial \$2,000 in start-up funds (\$1,000 from your school/college and

\$1,000 from the Provosts' office) are State appropriated monies and must be expended by June 30. There are no other requirements to receive these funds other than new faculty status.

The final \$1,500 are offered from the Graduate School through the FIRST program (www.siu.edu/graduate/internalgrants/first.shtml). This award is in local (4-ledger) funds, transferred after completion of the FIRST program, and may therefore be carried over to the next fiscal year. Note that completion of the FIRST program includes the submission of an external grant proposal within one year. The completion of this program is **optional**.

All items purchased from the New Faculty Start-Up Funds are the property of SIUE. Laptop computers may be purchased with the Graduate School's share of the Start-Up funds (FIRST award); however, all laptops remain the property of SIUE. Please refer to the Guidelines for allowable and unallowable expenditures below.

Applicants should complete their portion of the Special Funding for New Faculty Researchers form found at www.siu.edu/graduate/internalgrants/first.shtml.

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ALBERT LUO ELECTED AS ASME FELLOW

Albert C.J. Luo, associate professor of mechanical and industrial engineering at SIUE, has been awarded the Fellow Grade of ASME. ASME was founded in 1880 as the American Society of Mechanical Engineers and is currently a 120,000-member professional organization focused on technical, educational, and research issues of the engineering and technology community. He is one of only two researchers elected as Fellow for 2007 by the Technical Committee of Vibration and Sound and the first Fellow in the SIUE School of Engineering.

The Fellow Grade recognizes significant engineering achievement and contributions to the engineering profession. An advancement from "member grade," a Fellow must have 20 years of active practice in the field and must be responsible for significant engineering accomplishments.

Professor Luo has been working on the theory and application of nonlinear dynamics and mechanics for more than 20 years. He recently developed the theory of flow global transversality in nonlinear dynamical



Albert Luo

systems, which aids the understanding of the gradient system developed by Steven Smale (1962). Professor Luo's theory of stochastic and resonant layers in

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APPLICATIONS FOR THIRD ROUND OF SIUE DISTINGUISHED RESEARCH PROFESSOR AWARD DUE IN JANUARY

Completed applications for the SIUE Distinguished Research Professor Award are due in The Graduate School by 4 p.m. on Tuesday, January 15. Application forms and additional information are available

at www.siu.edu/graduate/internalgrants/distinguished.shtml.

Distinguished Research Professor is an academic rank awarded to SIUE faculty members in recognition of

outstanding and sustained contributions to research and creative activities. All SIUE tenured members of the faculty who have held the rank of Professor at

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NEW FACULTY START-UP FUNDS *CONTINUED*

Requests should then be forwarded to the School or College Dean's Office. The request is to be forwarded to the Graduate School for approval and then to the Provost. No funds will be transferred to the individual until he/she has completed a COS profile with the Graduate School.

Funds must be used in direct support of the individual's research. However, Start-up funds may not be used for the individual's salary nor for general office support. All expenditures must be in accordance with University policies and procedures. Costs must meet certain criteria to be considered allowable.

Allowable expenditures include the following:

1. salaries of research assistants (graduate assistants or student wages)
2. research equipment;
3. research related materials/supplies;
4. royalties and other costs for patents: unless patent is invalid or has expired;
5. specialized service facilities: computer centers, etc.
6. shipping and handling costs for research related equipment and supplies: freight, postage, etc.;
7. travel costs to support research;
8. professional services, e.g. consulting only if related directly to research project;
9. rental of building and equipment necessary for research project operation;
10. subscriptions of professional journals required for research; and
11. research tools, e.g. books and databases.

For more information, go to www.siu.edu/graduate/internalgrants/first.shtml.

ALBERT LUO *CONTINUED*

nonlinear Hamiltonian systems helps us understand the resonance mechanism of chaos. His local theory of non-smooth dynamic systems challenges the traditional Newton's mechanics, which is used to solve difficult problems in science and engineering, such as gear transmission systems and control systems.

In addition, Professor Luo also developed an approximate plate theory, a large damage theory for anisotropic materials, and a generalized fractal theory. He is conducting accelerated fatigue and damage experimental research, which can be directly applied to the fatigue life evaluation of heavy-

duty machines in the aerospace, aircraft and automobile industry.

Professor Luo has published more than 130 peer-reviewed journal and conference papers, two monograph books, and one edited book on nonlinear dynamics. He has been an editor for the journal *Communications in Nonlinear Science and Numerical Simulation* since 2002, two book series on *Nonlinear Science and Complexity* (Elsevier) since 2004, and one book series on *Complexity, Nonlinearity and Chaos* (World Scientific) since 2007. Professor Luo has been an associate editor for the *ASME Journal of Computational and Nonlinear Dynamics* since 2006 and has been an editorial member

for two journals (i.e., *IMeCh E Part K Journal of Multi-body Dynamics* since 2002 and *Journal of Vibration and Control* since 2005).

Professor Luo also organized more than 18 international symposiums and conferences on dynamics and control, including 14 ASME Symposiums and conferences. He served as the technical program chair for the ASME 2005 IDETC.

Professor Luo joined the faculty of the SIUE Department of Mechanical and Industrial Engineering in 1998 and has been successful in supervising graduate students and conducting funded research projects. He enjoys teaching, research,

ED SEWELL PROGRESSES ON HIS RESEARCH AGENDA WITH HOPPE RESEARCH PROFESSOR AWARD

Professor Ed Sewell, professor of mathematics and statistics, has advanced his research agenda as the sixth recipient of the Hoppe Research Professor Award.

Shortly after receiving the Hoppe Research Professor Award, Professor Sewell was awarded a National Science Foundation (NSF) grant to continue his research on pediatric vaccine formulary optimization and analysis. Consequently, a considerable portion of Professor Sewell's research efforts during the past two years were dedicated to his National Science Foundation grant. Nonetheless, he was able to make significant progress on his Hoppe Award project.

Professor Sewell's Hoppe Award research focused on developing a better algorithm for solving hard combinatorial optimization problems. More specifically, his goal was to develop an algorithm that incorporated the best features from two of the most popular algorithms for solving hard combinatorial optimization problems, namely branch and bound (B&B) and dynamic programming (DP). The hybrid algorithm is called branch, bound, and remember (BB&R).

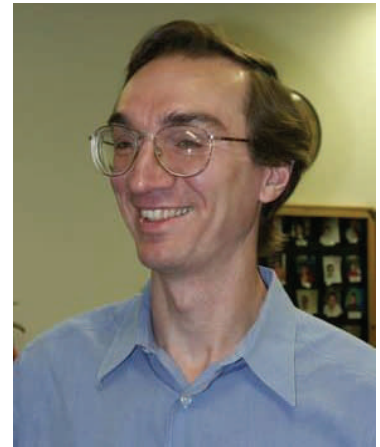
Developing and implementing a sophisticated algorithm such as BB&R for a combinatorial optimization problem proved to be a very time consuming activity. Professor Sewell began by studying the particular optimization problem which has resulted in new theoretical properties that can be exploited by a BB&R algorithm. Next, the BB&R algorithm was tailored to accommodate and take advantage of the particular structure and properties of the problem. Then the algorithm was implemented in a pro-

gramming language and computational testing was performed.

"The Hoppe Award has provided the time needed to develop a BB&R algorithm for several hard problems," said Professor Sewell. In fact, it turns out that three of the problems studied under the NSF grant benefited from incorporating a BB&R algorithm; hence, there was some overlap between the NSF grant and the Hoppe Award.

Publications that have come from this research include:

- *An Analysis of the General Minimum Cost Vaccine Formulary Selection Problem*, coauthored with Shane Hall (Air Force Institute of Technology) and Sheldon Jacobson (UIUC). This paper is under revision for its third review in the journal *Operations Research*.
- *Maximizing the Effectiveness of a Pediatric Vaccine Formulary While Prohibiting Extraimmunization*, coauthored with Shane Hall (Air Force Institute of Technology) and Sheldon Jacobson (UIUC). This paper is under revision for its second review in the journal *Health Care Management Science*.
- *Optimizing Pediatric Vaccine Formularies*, coauthored with Shane Hall (Air Force Institute of Technology) and Sheldon Jacobson (UIUC). It has been accepted for publication as a chapter in the book entitled *Optimization in Medicine and Biology*.
- *The Distributed Best First Search Exploration Strategy: An Illustrative Example with the $\sum U_i$ Scheduling Problem*,



Ed Sewell

coauthored with Gio Kao (UIUC), Sheldon Jacobson (University of Illinois at Urbana-Champaign), and Shane Hall (Air Force Institute of Technology). This paper has been submitted to the *INFORMS Journal on Computing*.

- *A Branch, Bound, and Remember Algorithm for the $\sum T_i$ Scheduling Problem*, coauthored with Gio Kao (UIUC) and Sheldon Jacobson (UIUC). This paper has been submitted to the *Journal of Scheduling*.

The Hoppe Research Professor Award is awarded to SIUE faculty members in order to recognize and support individual programs of research or creative activities. These Awards recognize faculty members whose research or creative activities have the promise of making significant contributions to their fields of study. Recipients are expected to produce published scholarly works and externally sponsored grants.

—by Lea Chandrl

DISTINGUISHED RESEARCH PROFESSOR *CONTINUED*

SIUE for at least five years are eligible for this recognition.

Recipients of the Award will be recognized with the rank of "SIUE Distinguished Research Professor" for the duration of their tenure at SIUE. The recipients will be officially listed as "Distinguished Research Professor of [name of academic discipline]."

Recipients of the rank of "Distinguished Research Professor" will receive a \$1,000 increase in their academic year base salary. They will also be provided with a full semester of Assigned Time for Research, at a time to be negotiated with their department chair and school/college dean. Additionally, recipients of the "Distinguished Research Professor" rank will receive a medallion to be worn with their academic regalia and their names will be placed on a plaque displayed in Rendleman Hall.

Although up to two awards may be given each year, the rank will be

awarded only in years in which there are deserving applicants. The SIUE Distinguished Research Professor recognition will not be given automatically; it will only be awarded to nominees demonstrating superior merit.

The Graduate Dean will appoint a review committee consisting of at least one faculty member at the rank of Professor from each School or College. The review committee must be approved by the Graduate Council and shall assume responsibility for reviewing applications and making recommendations for the SIUE Distinguished Research Professor Award to the Graduate Dean.

The evaluation of nominees will include, but is not limited to, consideration of the following:

- the record of research or creative activity that is original and that the nominee has sustained while at the academic rank of Professor;

- the significance of the nominee's work to the discipline; and
- the extent to which the nominee is recognized not only by colleagues, but also by distinguished scholars in the field.

The review committee will recommend to the Graduate Dean only those nominees who have made a significant and sustained contribution to the scholarship of the discipline.

In spring 2007, Rik W. Hafer was promoted to Distinguished Research Professor of Economics and Finance and Krzysztof Jarosz was promoted to Distinguished Research Professor of Mathematics and Statistics. In spring 2006, Timothy B. Patrick was promoted to Distinguished Research Professor of Chemistry and Marian Smith was promoted to Distinguished Research Professor of Biological Sciences. The Distinguished Research Professors' display, which includes plaques honoring these four honorees, is located outside the Graduate School, RH2202.

HELP IS HERE FOR YOUR GRADUATE STUDENTS' RESEARCH NEEDS— RGGGS DEADLINE APPROACHES

The next deadline for the Graduate School's Research Grants for Graduate Students (RGGGS) program will be Monday, October 1, 2007. An original and seven copies of the proposal must be turned in to the Graduate School (RH2202 or box 1046) by this deadline. Proposals must **first** be approved and signed by the student's major advisor, ranked by the department, and signed by the department chair.

The RGGGS program awards small grants of up to \$500 on a competitive

basis to support research initiated and conducted by classified graduate students to enhance their academic progress. The purpose of this program is to support the research of graduate students, particularly as it relates to their thesis or final project.

Classified graduate students may apply for RGGGS funding if they meet the following conditions: 1) good academic standing, which is a 3.0 GPA with at least six completed hours in the graduate program, and 2) enrollment in graduate-level coursework as a degree-

seeking graduate student during the academic term for which they are seeking funding. Previous RGGGS recipients are ineligible for a second grant.

Guidelines are available at www.siu.edu/graduate. The spring semester deadline for RGGGS is Monday, February 4, 2008.

NEW DIRECTOR OF IUR HAS A MESSAGE...

Greetings colleagues! Let me begin by saying how happy I am to be the new director of the IUR (Institute for Urban Research), and I appreciate the kind notes and good wishes from so many of you. It is an exciting position and I'm very happy to be here. David Ault has done a fine job in the director position over the last few years and has made the transition very smooth. We are fortunate that Dave is staying on in a consulting position through the end of the calendar year.

For those of you who don't know me, I am an assistant professor in the Political Science Department and my department's only urban scholar. Most of my research and publication has come from work centered on East St. Louis, Illinois, and I'm bringing several projects from the metro area to the Institute. I serve on the board of the St. Louis Metropolitan Research Exchange and actively participate in academic conferences in both Political Science and History. I believe strongly in encouraging interdisciplinary urban scholarship, collaborating with other institutions, and

pursuing SIUE's goal of being recognized nationally as a premier metropolitan university.

This has been a busy summer at the IUR. The grants that have funded three interdisciplinary research teams over the last two years are in the process of wrapping up, while we have been launching some new and exciting projects.

One of the exciting new projects being launched is a Land Value Taxation study of East St. Louis. With anticipated funding from the Public Revenue Education Council, IUR staff members will examine the impact of shifting from a traditional property tax system (where assessed value is largely determined by improvements on a property) to a land-only property tax system (where property location drives assessed value rather than property improvements). It is a concept that has proven popular in the northeast—especially Pennsylvania—but has not received much attention in the Midwest.



Andy Theising

In the next issue of *Research Highlights*, I'll present to the campus community more details on the exciting projects and initiatives emerging at the Institute. Until then, I hope you will come by the office and say hello, share your thoughts and ideas, and think of ways that your individual research agendas might be linked to urban scholarship. I hope I see you soon!

—by Andy Theising

NSF DOCUMENTS AVAILABLE ONLINE

The National Science Foundation (NSF) Online Document System has publications available at http://www.nsf.gov/publications/pub_summ.jsp?ods_key=plug_in_the_letters_and_numbers_within_the_parentheses. The following is a listing of just some of the recent documents that are available.

- Proposal and Award Policies and Procedures Guide, June 2007 (nsf07140)
- Award and Administration Guide, June 2007 (aag07140)
- Grants.gov Application Guide, June 1, 2007
- (grantsgovguide607)
- NSF Active Funding Opportunities—listing of deadline dates (URL: www.nsf.gov/funding/pgm_list.jsp?org=NSF&ord=date). Also links to NSF Grant Proposal Guide, Guide to Programs, and other pertinent information.
- NSF Current—August 2007 (cu0807)
- General Grant Conditions, GC-1, June 1, 2007 (gc160107)
- Significant Changes in GC-1, June 1, 2007 (gc160107sigch)
- General Social Survey (GSS) –

The Next Decade and Beyond



- (nsf0748)
- Federal R&D Funding by Budget Function: Fiscal Years 2006-2008 (nsf07332)
- Annual Deficits continue for the U.S. Trade in Advanced Technology Products (nsf07329)
- Back to School: Five

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AWARDED AND SUBMITTED GRANTS AND CONTRACTS JUNE 21, 2007—AUGUST 28, 2007

Awarded

ANTHONY, PAUL

Library and Information Services
“HOMELAND SECURITY MONO-
GRAPH PARTNERSHIP”
CONSORTIUM OF ACADEMIC
AND RESEARCH LIBRARIES IN
ILLINOIS - NO ILL, \$2,250.00

BINDER, RICHARD

University Services to East St. Louis
“TALENT SEARCH FY 07/08”
U.S. DEPARTMENT OF EDUCA-
TION, \$257,769.00

BINDER, RICHARD

University Services to East St. Louis
“UPWARD BOUND – EC”
U.S. DEPARTMENT OF EDUCA-
TION, \$565,548.00

BINDER, RICHARD

University Services to East St. Louis
UPWARD BOUND- BEMV 08/12”
U.S. DEPARTMENT OF EDUCA-
TION, \$305,552.00

BOYD, MARY ANN

Nursing
“ADVANCED EDUCATION NURS-

ING TRAINEESHIP (AENT)”
HEALTH RESOURCES AND SER-
VICES ADMINISTRATION,
\$59,880.00

BOYD, MARY ANN

Nursing
“NURSE ANESTHETIST TRAIN-
EESHIP (NAT)”
HEALTH RESOURCES AND SER-
VICES ADMINISTRATION,
\$24,309.00

BROWN, VENESSA ANN and LAWRENCE, SHONDA

Arts and Sciences
“DCFS PERMANENCY EN-
HANCEMENT GRANT”
ILLINOIS AFRICAN AMERICAN
FAMILY COMMISSION,
\$39,467.04

CARLISLE, LINDA

Library and Information Services
“ANTHROPOLOGY (YEAR 2):
CULTURES ACROSS THE CUR-
RICULUM (SIUE)”
CONSORTIUM OF ACADEMIC
AND RESEARCH LIBRARIES IN
ILLINOIS - NO ILL, \$2,271.00

CARLISLE, LINDA

Library and Information Services
“LATIN AMERICAN STUDIES
(SIUE PORTION: HISTORY OF
MEXICO AND CUBA)”
CONSORTIUM OF ACADEMIC
AND RESEARCH LIBRARIES IN
ILLINOIS - NO ILL, \$3,050.00

CAUPERT, V. JOHN Jr.

National Corn to Ethanol Research
Center/Graduate School
“NCERC PILOT PLANT SER-
VICES- PROVATE AGREE-
MENTS, BP#764906”
SEMO MILLING, \$160,000.00

CAUPERT, V. JOHN Jr.

National Corn to Ethanol Research
Center/Graduate School
“NCERC FERMENTATION LAB
SERVICES - PRIVATE AGREE-
MENTS, BP#764904”
OPTISWITCH TECHNOLOGY,
\$7,090.00

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NSF DOCUMENTS *CONTINUED*

Myths about Girls and Science
(pr07108)

- Team USA Takes the Prize at the International Linguistics Olympiad in St. Petersburg, Russia (pr07103)
- President Bush Announces 2005 and 2006 Laureates of National Medals of Science and Technology (pr07079)
- The Changing Research and

Publication Environment in
American Research Univer-
sities (nsf07204)

- Changing U.S. Output of Scientific Articles 1988-2003 (nsf07320)
- Student Results Show benefits of Math and Science Partnerships (pr07080)
- Research on Gender in Science and Engineering

FY2008 (nsf07578)

- Innovative Research Technique Reveals Another Natural Wonder in Yellowstone Park: A Unique, Photosynthesizing Life-Form (pr07084)

AWARDED GRANTS *CONTINUED*

CAUPERT, V. JOHN Jr.

National Corn to Ethanol Research Center/Graduate School
"NCERC FERMENTATION LAB SERVICES- PRIVATE AGREEMENTS, BP#764904"
OIL DRY CORPORATION,
\$8,425.00

CAUPERT, V. JOHN Jr.

National Corn to Ethanol Research Center/Graduate School
"NCERC FERMENTATION LAB SERVICES - PRIVATE AGREEMENTS, BP #764904"
DOW AGRO SCIENCES LLC,
\$6,485.00

CAUPERT, V. JOHN Jr.

National Corn to Ethanol Research Center/Graduate School
"NCERC FERMENTATION LAB SERVICES - PRIVATE AGREEMENTS, BP#764904"
FERMENTIS, \$6,760.00

CAUPERT, V. JOHN Jr.

National Corn to Ethanol Research Center/Graduate School
"NCERC WORKFORCE TRAINING - PRIVATE AGREEMENTS BP#764903"
UNICOME CONSULTING, INC.,
\$1,500.00

CAUPERT, V. JOHN Jr.

National Corn to Ethanol Research Center/Graduate School
"NCERC WORKFORCE TRAINING - ILLINOIS STATE AGREEMENTS, BP#763794"
ILLINOIS ENVIRONMENTAL PROTECTION AGENCY,
\$3,713.92

CAUPERT, V. JOHN Jr.

National Corn to Ethanol Research Center/Graduate School
"NCERC FERMENTATION LAB SERVICES- PRIVATE AGREEMENTS, BP#764904"
NATIONAL CORN GROWERS ASSOCIATION, \$6,510.00

DIXON, DEBRA ANN

Dental Medicine
"BONE ACTIVE TREATMENTS FOR CHRONIC PERIODONTITIS"
WASHINGTON UNIVERSITY,
\$23,347.00

GOLDSMITH, MALCOLM D.

Education
"LIVE FREE TOBACCO FREE"
ILLINOIS DEPARTMENT OF PUBLIC HEALTH/SIUC, \$10,500.00

HUBBARD, KEVIN M.

Engineering
"DESIGN AND DEVELOPMENT OF ELECTROMECHANICAL-PNEUMATIC "
HALLOWEEN PRODUCTIONS INCORPORATED, \$11,274.12

HUBBARD, KEVIN M.

Engineering
"DEVELOPMENT OF AN ELECTRONIC COMPUTATION AND ANALYSIS DEVICE"
PETE PARRINO, \$5,570.00

JAMISON, THEODORE

University Services to East St. Louis
"EZ ARTS 07/08"
ST. LOUIS REGIONAL EMPOWERMENT ZONE, \$10,000.00

JOHNSON, CHRISTA C.

Graduate School
"STATE MATCHING GRANT FY 2007"
ILLINOIS BOARD OF HIGHER EDUCATION, \$69,396.00

KING, ANDREW BROWN

Counseling Services/VC Student Affairs
"FY2008 IAG GRANT"
ILLINOIS ATTORNEY GENERAL'S OFFICE, \$20,000.00

KLOSTERMANN, BRENDA K.

Illinois Education Research Council/

Graduate School

"EXAMINING THE CHICAGO EARLY CHILDHOOD TEACHER PREPARATION"
MCCORMICK TRIBUNE FOUNDATION, \$30,000.00

KLOSTERMANN, BRENDA K.

Illinois Education Research Council/Graduate School
"EXAMINING THE CHICAGO EARLY CHILDHOOD TEACHER PREPARATION"
THE JOYCE FOUNDATION,
\$50,000.40

KUTAN, ALI M.

Business
"THE BANK OF EDWARDSVILLE GRADUATE INTERNSHIP"
BANK OF EDWARDSVILLE,
\$12,599.50

LEDZEWICZ, URSZULA

Arts and Sciences
"RUI- COLLABORATIVE RESEARCH- ANALYSIS OF OPTIMAL AND... "
NATIONAL SCIENCE FOUNDATION, \$148,287.00

LINDELL, REBECCA

Arts and Sciences
"UNOBSERVABLE EDUCATION CHOICES RUBRIC (UECR): A TOOL FOR SELF AND EXTERNAL ASSESSMENT OF TEACHER ALIGNMENT WITH STANDARDS"
WESTERN MICHIGAN UNIVERSITY, \$54,915.00

LUO, ALBERT

Engineering
"RESONANCE DYNAMICS AND FATIGUE RESPONSES OF CATERPILLAR D7R SMALL DPF MOUNTING SYSTEMS"
CATERPILLAR, INC., \$46,550

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AWARDED GRANTS *CONTINUED*

LUO, ALBERT

Engineering
“CATERPILLAR DFP MOUNTING STRAP FATIGUE TEST”
CATERPILLAR, INC., \$5,290.00

MALLORY, HAZEL

University Services to East St. Louis
“EARLY HEAD START- FY 2007-08 COST-OF-LIVING ADJUSTMENT”
DEPARTMENT OF HEALTH & HUMAN SERVICES, \$19,282.00

MALLORY, HAZEL

University Services to East St. Louis
“HEAD START- FY 2007-08 COST-OF-LIVING ADJUSTMENT”
DEPARTMENT OF HEALTH & HUMAN SERVICES, \$129,722.04

MARSHO, MARILYN

Arts and Sciences
“ARTS AND ISSUES 2007-08”
ILLINOIS ARTS COUNCIL,
\$20,000.00

NEAL, ANTHONY

University Services to East St. Louis
“PHYSICAL FITNESS/HEALTH IMPROVEMENT”
LOWES FOUNDATION, \$5,000.00

NEAL, ANTHONY

University Services to East St. Louis
“SIUE EAST ST. LOUIS CHARTER SCHOOL FY 07/08”
ILLINOIS STATE BOARD OF EDUCATION, \$623,325.24

PEARSON, RANDALL S.

Arts and Sciences
“SUBSIDENCE SERVICE AGREEMENT”
ILLINOIS DEPARTMENT OF NATURAL RESOURCES, OFFICE OF MINES AND..., \$2,000.00

ROGERS, WARREN

University Services to East St. Louis
“EDUCATIONAL OPPORTUNITY

CENTER FY07/08- HEC”
HIGHER EDUCATION CONSORTIUM, \$170,927.28

SEGAL, MADHAV N.

Business
“MMR - MR INTERNSHIP II (MARITZ RESEARCH)”
MARITZ INC., \$12,826.00

SEGAL, MADHAV N.

Business
“MMR - MR INTERNSHIP III (MARITZ RESEARCH)”
MARITZ INC., \$12,826.00

SEGAL, MADHAV N.

Business
“MMR - MR INTERNSHIP I (MARTIZ RESEARCH)”
MARITZ INC., \$12,826.00

SEGAL, MADHAV N.

Business
“MMR - CB INTERNSHIP”
COMMERCE BANK. \$12,826.00

SEGAL, MADHAV N.

Business
“MRI - FRI INTERNSHIP”
FORWARD RESEARCH, INC.,
\$12,826.00

STARR, MIKE

Arts and Sciences
“EVALUATING BAT HABITAT CONDITIONS ON SURFACE COAL MINING SITES”
DEPARTMENT OF INTERIOR: OFFICE OF SURFACE MINING,
\$22,000.00

TAYLOR, MORRIS A. Jr.

Arts and Sciences
“INTERNSHIP WITH THE CITY OF CENTRALIA”
CITY OF CENTRALIA, \$3,991.68

TAYLOR, MORRIS A. Jr.

Arts and Sciences
“INTERNSHIP WITH ST. CLAIR

HOUSING AUTHORITY”
ST. CLAIR HOUSING AUTHORITY, \$4,491.72

TAYLOR, MORRIS A. Jr.

Arts and Sciences
“INTERNSHIP WITH CITY OF COLLINSVILLE”
CITY OF COLLINSVILLE,
\$11,089.00

TAYLOR, MORRIS A. Jr.

Arts and Sciences
“INTERNSHIP WITH EAST ST. LOUIS HOUSING AUTHORITY #1”
EAST ST. LOUIS HOUSING AUTHORITY, \$22,177

TIMPE, ERIN M. and HERNDON CHRISTOPHER

Pharmacy
“PHARMACEUTICAL CARE FOR PAIN MANAGEMENT IN THE COMMUNITY “
AMERICAN PHARMACISTS ASSOCIATION FOUNDATION,
\$1,000.00

WEINBERG, JERRY

Engineering
“STTR PHASE I: GENERAL ROBOT CONTROLLER FOR LEG-END MOBILE ROBOTS”
ROAD NARROWS LLC.,
\$67,866.37

WILKINSON, AMY

Education
“TEACHING WITH PRIMARY SOURCES”
LIBRARY OF CONGRESS,
\$194,251.00



SUBMITTED GRANTS

Submitted

ACHESON, GILLIAN

Arts and Sciences

“MORRISTOWN: A CULTURAL LANDSCAPE”

NEW JERSEY HISTORICAL COMMISSION, \$2,900.00

BOTHAST, RODNEY J.

National Corn to Ethanol Research Center/Graduate School

“EFFECTS OF ANAEROBIC DIGESTER EFFLUENT ON ETHANOL

USDA/DOE, \$753,181.44

BOTHAST, RODNEY J.

National Corn to Ethanol Research Center/Graduate School

“PRETREATMENT OF CORN FIBER USING AN ELECTROHYDRAULIC”

USDA/DOE, \$300,851.44

FLICK, LOUISE

Nursing

“NATIONAL CHILDREN'S STUDY, ST. LOUIS MISSOURI”

SAINT LOUIS UNIVERSITY, \$4,156,848.45

GAY, PAMELA

Arts and Sciences

“ASTRONOMY CAST IN THE CLASSROOM”

NASA, \$12,155.00

GAY, PAMELA

Arts and Sciences

“ASTRONOMY CAST LIVE: BRINGING SCIENCE TO THE PEOPLE IN”

NATIONAL SCIENCE FOUNDATION, \$18,601.44

GROSSMAN, MICHAEL

Arts and Sciences

“INCREASING ANNUAL MAXIMUM FLOODS AND RAINFALL DUE TO ...”

JAPAN SOCIETY FOR THE PROMOTION OF SCIENCE, \$7,743.00

HAFER, RIK W. and

AULT, DAVID

Business

“INDEX OF NEED”

ILLINOIS COMMUNITY COLLEGE BOARD, \$29,322.00

JOHNSON, CHARLOTTE and

BOUMAN, KATHY

Library and Information Services

“FOREVER FREE”

ILLINOIS HUMANITIES COUNCIL, \$2,000.00

JOHNSON, CHRISTA C.

Graduate School

“FY 2008 STATE MATCHING GRANT”

ILLINOIS BOARD OF HIGHER EDUCATION, \$832,142.00

KARPINSKI, JULIE

Pharmacy

“POWER IN NUMBERS- PHARMACIST PERPETUAL OSTEOPOROSIS”

AMERICAN COLLEGE OF CLINICAL PHARMACY, \$19,500.00

KHAZAELI, SADEGH;

VOSS, ERIC J.; and

HAMAD, ABDULLATIF Y.

Arts and Sciences

“EXPLORING SCIENCE: IMPROVING SCIENCE TEACHER QUALITY”

ILLINOIS BOARD OF HIGHER EDUCATION, NCLB, \$70,875.00

KWON, GUIM

Pharmacy

“ROLE OF MTOR IN ECTOPIC LIPID ACCUMULATION AND LIPOLYSIS”

NATIONAL INSTITUTES OF HEALTH, \$214,500.00

LECHEMINANT, JAMES and SMITH, JOHN

Education

“RESISTANCE TRAINING DOSE FOR WEIGHT MAINTENANCE AFTER ...”

AMERICAN HEART ASSOCIATION, \$308,000.00

LUTZ, NANCY MELISSA

Arts and Sciences

“CULTURAL ANTHROPOLOGY AND AMERICAN STUDIES WITH AN ...”

CIES FULBRIGHT, \$18,443.00

MARLETTE, STEPHEN M. and

TAYLOR, ANN R.

Education

“ELEMENTARY MATHEMATICS AND SCIENCE LEADERSHIP”

ILLINOIS STATE BOARD OF EDUCATION, \$199,473.00

PATRICK, TIMOTHY B.

Arts and Sciences

“FLUORINE- CONTAINING BUILDING BLOCKS”

NATIONAL SCIENCE FOUNDATION, \$218,881.52

RAMBSY, HOWARD

Arts and Sciences

“THE EAST ST. LOUIS VISUAL LITERACY PROJECT”

ILLINOIS HUMANITIES COUNCIL, \$2,500.00

ROWLAND, KEVIN

Dental Medicine

“THE ROLE OF COLD-SENSITIVE TRP CHANNELS IN GENERATING”

AMERICAN ASSOCIATION OF ENDODONTISTS FOUNDATION, \$15,731.00

Continued next page

SUBMITTED GRANTS *CONTINUED*

SCHOBER, JOSEPH

Pharmacy

“REGULATION OF ENDOTHELIAL CELL FUNCTION BY MICROTUBULE”

AMERICAN HEART ASSOCIATION NATIONAL PROGRAM, \$308,000.00

SCHOBER, JOSEPH

Pharmacy

“REGULATION OF ENDOTHELIAL CELL FUNCTION BY...”
AMERICAN HEART ASSOCIATION GREATER MIDWEST AFFILIATE, \$196,950.00

SHAW, MICHAEL J.;

DIXON, ROBERT;

WANDA, PAUL;

WEI, CHIN-CHUAN; and

LU, YUN

Arts and Sciences

“CRIF-MU: PURCHASE OF AN EPR SPECTROMETER FOR TEACHING”

NATIONAL SCIENCE FOUNDATION, \$173,360.00

THEODORAKIS, CHRISTOPHER

Arts and Sciences

“TOXICOKINETICS AND FOOD-CHAIN TRANSFER OF METAL OXIDE”

EPA, \$399,901.30

THEODORAKIS, CHRISTOPHER

Arts and Sciences

“AQUATIC TOXICITY AND BIOLOGICAL FATE OF NANOSILVER”

ENVIRONMENTAL PROTECTION AGENCY, \$129,772.93

Contact Reem Younis

(ryounis@siue.edu, ext. 5618) or Lea Chandl (lchandl@siue.edu, ext. 3114) if you have any questions about the awarded or submitted listings.

CHECK [WWW.COS.COM](http://www.cos.com) FOR INFORMATION ON FUNDING SOURCES

We would like to direct you to www.cos.com in order to meet your specific needs to find funding sources.

When you enter this website, you can register your profile and receive funding alerts that match your research interests. Using the COS site should help you find the type of funding you seek.

Check out The Graduate School's updated website at www.siu.edu/graduate for more information and for the current and past issues of *Research Highlights*.

Due to several changes in Graduate School staffing, we have included this Reference Directory for your information. Feel free to contact any staff member if you have any questions.

The Graduate School
Southern Illinois University Edwardsville
www.siu.edu/graduate

OFFICE OF RESEARCH AND PROJECTS (ORP)

The Graduate School's Office of Research and Projects (ORP) facilitates and manages faculty and staff research activities at SIUE. ORP pre-award personnel assist in proposal preparation, meeting agency deadlines for receipt of submitted proposals, approval of human subjects and animal care protocols for research, and dissemination of funding agency information, as well as manage various internal research competitions and funding sources.

The post-award function of the office oversees the post-award funding and the handling of required fiscal reports to the funding, governmental, and other agencies. Personnel also work with the faculty and staff on managing their funding for research and other projects.

In order to assist you in finding the help you need with your research or other projects, we've listed the services and the staff (see page 13) in The Graduate School who can help you.

Services

Intellectual Property (Steve Hansen)

Pre-Award Functions (Christa Johnson, Tammy Smart, Reem Younis, Lea Chandrl)

- assist with proposal budget preparation
- check proposals for compliances
- obtain administrative approvals
- copy and send proposal to agency
- assist in proposal preparation by editing and consulting with faculty and staff on proposals for external or internal funding
- work with R&D Committee and RPAB on various programs
- collect, analyze, and distribute funding agency materials and related information
- develop and set up faculty development initiatives (proposal writing workshops, etc.)

Funding/Faculty Interest Database—COS [Community of Science] (Christa Johnson, Reem Younis, Lea Chandrl)

- assist faculty/staff in creating a COS expertise profile
- help faculty/staff in setting up funding searches to be sent to them

Internal Research Funding (Christa Johnson, Reem Younis, Lea Chandrl)

- R&D Fund – faculty and graduate student travel support, faculty reprints
- Summer Research Fellowship (SRF) competition
- Funded University Research (FUR) competition
- Paul Simon Outstanding Scholar Award
- Hoppe / Lindsay Research Professor Awards
- Distinguished Research Professor

Post-Award Functions (Jo Barnes, David Bray, Gail Munneke, Trisha Simmons)

- establish new accounts on grants and contracts
- manage databases for awarded grants and contracts
- manage post-award functions on grants and contracts
- work with PIs/Project Directors and staff to track the fiscal side of awards
- produce required reports on grant fiscal matters
- insure that funding agency terms and conditions are met in terms of fiscal and compliance requirements and reports
- coordinate internal and external compliance and financial audits on grants
- prepare preliminary agreements and contracts, and prepare and monitor subrecipient contracts
- provide assistance as the resource for Federal and State regulations as applicable to externally-funded programs
- work with Change of Assignment, Application for Appointment, and Graduate Assistant appointments

Coordination of Required Reviews (Christa Johnson, Linda Skelton)

- human subjects research
- care and use of animals
- use of biohazardous materials
- actual or potential conflicts of interest
- ethics/misconduct in research

Directory of Staff

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