

2007 DISTINGUISHED RESEARCH PROFESSORS' PLAQUES PRESENTED

The Graduate School presented the display of the 2007 Distinguished Research Professors' plaques at a recent ceremony this spring.

The 2007 Distinguished Research Professors are Rik W. Hafer, Distinguished Research Professor of Economics and Finance, and



Steve Hansen presenting the plaques

Krzysztof Jarosz, Distinguished Research Professor of Mathematics and Statistics.

Steve Hansen, Associate Provost for Research and Dean of the Graduate School, presented the 2007 plaques. Chancellor Vaughn Vandegrift and Provost and Vice Chancellor for Academic Affairs Paul Ferguson attended the ceremony.



Krzysztof Jarosz, Vaughn Vandegrift, Rik W. Hafer, and Paul Ferguson

The Distinguished Research Professor is a faculty rank awarded by the SIUE graduate faculty to recognize outstanding and sustained contributions to research and creative activities. All SIUE tenured faculty members who have held the rank of Professor at SIUE for at least five years are eligible for this recognition. The next application deadline is January 15, 2008. The guidelines are available at www.siue.edu/graduate/internalgrants/distinguished.shtml.

The display is located in the hallway outside the Graduate School, RH2202.

INTERNAL GRANTS WORKSHOP COMING AUGUST 29

Please join ORP staff for a workshop on SIUE's internal research funding programs in the MUC Hickory Room on Wednesday, August 29, 2007 at 9:30 a.m.

ORP staff will present an overview of all internal programs, including Summer Research Fellowships (SRF), the Funded University Research (FUR) program, Paul Simon Outstanding Scholar Award, Hoppe / Lindsay Research Professor Awards, and the Research & Development Fund (travel, seed, and reprint funds). This overview will be followed by a question-and-answer session, a discussion about the review process for individual programs, and tips for successful applications.

The guidelines, which will be updated throughout the summer, are located at www.siue.edu/graduate. ORP staff are also happy to review proposal drafts for any of our internal funding programs.

If you have any questions, contact Christa Johnson at extension 2171 or at cjohnaa@siue.edu.

NEW ANIMAL WELFARE ONLINE TRAINING AVAILABLE

We are pleased to announce that the new online training for the care and use of animals in research is now available at <http://www.citiprogram.org>.

This training site, offered through the CITI Program of the University of Miami, replaces the V.A. Research Training site used previously.

If you have any questions about this training, or about training for human subjects protections, contact Linda Skelton in the Graduate School at lskelto@siue.edu.

SRF DEADLINE IS SEPTEMBER 21

The deadline for electronic application of proposals for the Summer Research Fellowship (SRF) program is September 21, 2007.

The electronic proposal application system will be the same as was used last year, although several features will be enhanced. The application system can be accessed later this summer through the SRF guidelines at www.siu.edu/graduate/internalgrants/fellowship.shtml.

Faculty are encouraged to contact their chairs and deans for approval of their project before the September 21st deadline. The chair and dean approval signoff of the proposal will be electronic and will occur after the deadline. The system will only record or not record the chair and dean signatures; faculty will not be able to revise their proposals after the deadline.

The SRF provides research support as a seed grant or bridge funding to faculty during the summer in order to pursue promising research.

All tenured and tenure-track members of the SIUE faculty are eligible for the SRF competition. A researcher may compete in only one of the SRF categories, \$8000 or \$4000. However, a researcher can compete for and receive an SRF and have other research support, both internal and external, during the same year as long as that other research support does not overlap with or compromise the SRF commitment. Previously-funded researchers are eligible to apply again if they have submitted the final reports on all of their Graduate School-sponsored projects and have fulfilled their obligation of submitting a grant proposal for external funding.

SRF awards are individual grants. Awards may not be divided among co-investigators. If a project involves multiple investigators, each must submit their own SRF proposal.

As a condition of the award, recipients of an SRF must submit a proposal for external funding through the Graduate School's Office of Research and Projects within one year after receipt of the SRF award.

For more detailed information about the SRF, go to www.siu.edu/graduate/internalgrants/fellowship.shtml. Contact Christa Johnson at cjohnaa@siu.edu or extension 2171 with any questions or concerns.

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

The next deadline for the Graduate School's Research Grants for Graduate Students (RGGS) 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 RGGS 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 RGGS 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 RGGS recipients are ineligible for a second grant.

In order to assist your graduate students with preparing their propos-

als, the Graduate School is holding workshops to discuss RGGS proposal preparation and to answer students' questions about the program. Students need **attend only one** of the following workshops, which will be held in the Graduate School Conference Room (RH2202). **Tuesday, September 11, 2007, from 4:30 – 6 p.m. and Wednesday, September 12, 2007, from 4:30 – 6 p.m.** are the workshops for the October 1st deadline. Refreshments will be served.

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

INSTITUTE FOR URBAN RESEARCH CHANGES DIRECTORS

Andrew Theising, Assistant Professor of Political Science, has been appointed Director of the Institute for Urban Research (IUR) as of July 1st. David Ault, who served in this capacity for two years, will continue to assist with the transition until December 31, 2007.

The base budget of the Institute will remain unchanged at approximately \$150,000 per year with grants, contracts, and ICR providing the funds that the Institute uses to support its research teams and internal projects.

COMMUNITY AND URBAN DEVELOPMENT

T. R. Carr continues to hold discussions with the Illinois Criminal Justice Association with respect to one or more proposals to be submitted to the Association to participate in its researcher-initiated grant program. The staff of the ICJA has expressed interest in research related to the Illinois Juvenile Court System and the mental health of offenders, especially juvenile sex offenders. Using the team's expertise in the fields of criminal justice, psychology, and mental health, the proposed work would focus on developing stronger links between the court system and mental health providers, a concept that is generally used only in the adult criminal court system.

Rhonda Penelton, the IUR staff liaison to this team, has met with the executive directors of the River Bluffs Council of the Girl Scouts of America. The merger of several Girl Scout Councils that expands the region under the leadership of the River Bluffs Council to include all of Southern Illinois south of I-70 has been completed. The organization would like to undertake another

survey that focuses on the outcomes of the programs sponsored by the GSA in January 2008 with a report to be submitted based on the responses to this survey due in March 2008. Planning would then begin to develop survey instruments that would permit the River Bluffs Council to participate in the National Outcomes Survey to assess the effectiveness of the GSA and its programs in achieving its mission and goals that will be undertaken in 2010

Prof. Carr has continued his preliminary discussions on a project related to the feasibility of converting municipal waste into ethanol and research into the provision of retail health clinics. The latter project would conduct research into the rationale for and the effects of locating small health clinics that would treat non-emergency cases in the facilities of major retail organizations such as Wal-Mart, Target, and Walgreen's.

URBAN EDUCATION

The instruments that the team will use to assess the effects of the mandates and accountability measures called for by the No Child Left Behind legislation have been developed and will be tested over the summer. Negotiations with the

offices of the Chicago Public School System to obtain permission to draw a sample of teachers and principals from that system are progressing more slowly than anticipated. The team has obtained permission from the Cahokia School District to ask teachers and principals to participate in the administration of the prototypes of these assessment instruments. Using the results from the prototype, the instruments will be refined and administered to a larger sample from the Cahokia and other districts in this region.

LEAD CONTAMINATION IN URBAN ENVIRONMENTS

Results from the early stages of the project on the nature and distribution of lead contamination in the region were presented at the annual meetings of the Illinois Academy of Sciences in Springfield. The plan to use participants in the Upward Bound program has been slowed by issues related to obtaining permission from the parents of children to be tested and the confirmation that the program would be funded. Members of the team must also renew or obtain certification to participate in research using human subjects. Until these certifications have been obtained, uncertified members of the team cannot work with those from whom blood lead level samples will be obtained.

The questionnaires that will be used to obtain the socio-demographic data have been completed and tested. The administration of the questionnaire is dependent upon obtaining blood lead



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INSTITUTE FOR URBAN RESEARCH *CONTINUED*

levels from those living in lead contaminated areas.

THE INSTITUTE

The staff of the Institute has begun the analysis of the responses from participants in the Children First Foundation's program for the parents of children that no longer live in the same household. The compilation of the database from these responses will take most of the summer. Initial analysis of the responses will be used to construct a new instrument to obtain information from participants on the relative effectiveness of the program in which participation is mandated by

the Illinois court system. The revised instrument is expected to be ready for testing in the fall. The analysis of the responses to the new instrument will be used to revise the Parenting Education Curriculum.

The East-West Gateway Council of Governments is planning to expand its *Where We Stand* project. This project analyzes selected data from the Bureau of the Census to compare the St. Louis Metropolitan region with other metropolitan areas in the United States. Les Sternman, Executive Director of the East West Gateway Council, and Mark Tranel, Director of the Public Policy Research Institute of

the University of Missouri – St. Louis, are working with *The St. Louis Post-Dispatch* to find a way to publish periodic updates in this series rather than to simply publish an update every three to four years during intercensus periods. Andrew Theising has worked with many of the members of the committee that Prof. Tranel has created to determine the feasibility of the project and to undertake the research that will be required to produce a more frequent series of updates and commentary.

—by David Ault

NSF DOCUMENTS AVAILABLE ONLINE—NEW *GUIDE* IN EFFECT NOW

The new *Proposal & Award Policies & Procedures Guide* is in effect for proposals submitted after June 1, 2007. The new guide consolidates two previous NSF policy documents, the *NSF Grant Proposal Guide* (GPG) and the *Grant Policy Manual* (GPM). This new document is at http://www.nsf.gov/publications/pub_summ.jsp?ods_key=nsf07140. (See p.9 of the May-June issue of *Research Highlights* for more information.) Contact policy@nsf.gov or Christa Johnson at cjohnaa@siue.edu with questions.

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](http://www.nsf.gov/publications/pub_summ.jsp?ods_key=plug%20in%20the%20letters%20and%20numbers%20within%20the%20parentheses). The following is a listing of some 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—June 2007 (cu0607)
- General Grant Conditions, GC-1, June 1, 2007 (gc160107)
- Significant Changes in GC-1, June 1, 2007 (gc160107sigch)
- Alliances for Broadening Participation in STEM (nsf07566)
- Federal Current and Alternative Sources of Data on the Science and Engineering Workforce (srs07202)
- Caribbean Frog Populations Started with Single, Ancient Voyage on South American Raft (pr07066)
- Research Experiences for Undergraduates (nsf07569)
- Research Issues in the International Migration of Highly Skilled Workers: A Perspective with Data from the United States (srs07203)
- Why Did They Come to the United

- States? A Profile of Immigrant Scientist and Engineers (nsf07324)
- Federal Funds for Research and Development: Fiscal Years 2004-06 (nsf07323)
- Graduate Students and Postdoctorates in Science and Engineering: Fall 2005 (nsf07321)
- Science and Engineering State Profiles: 2003-2005 (nsf07322)
- Three Wishes for a Future Internet? GENI Projects Will Soon Be At Your Command (pr07057)
- Academic Research and Development Expenditures: Fiscal Year 2005 (nsf07318)
- The Case for an Institute of Mathematical Biology (biorpt701)
- Enhancing Support of Transformative Research at NSF (nsb0723)
- OIG Semiannual Report to Congress-March 2007 (oigsmarch07)
- New Imaging Technique Could Promote Early Detection of Multiple Sclerosis (pr07072)



AWARDED AND SUBMITTED GRANTS AND CONTRACTS APRIL 24, 2007—JUNE 21, 2007

Awarded

AKERS, FRANKLIN

Arts and Sciences
"WSIE Public Broadcasting"
ILLINOIS ARTS COUNCIL, \$39,323

BANKS, RONALD and KHAZAELI, SADEGH

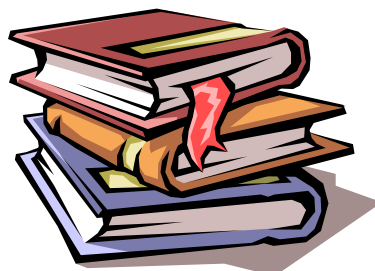
Engineering
"Increasing the Minority Scientists
Pool- Illinois Louis Stokes Alliance
for Minority Participation" Phase III/
Year 3
CHICAGO STATE UNIVERSITY-
National Science Foundation, \$22,000

CARR, T.R.

Arts and Sciences
"Internship with Alliance of Edwards-
ville & Glen Carbon"
ALLIANCE OF EDWARDSVILLE
AND GLEN CARBON, \$5,736

CAUPERT, V. JOHN JR.

National Corn to Ethanol Research
Center
"Workforce Training-Michigan State
University"



MICHIGAN STATE UNIVERSITY/
US Dept. of Labor, \$53,400

FOWLER, LAURA

Arts and Sciences
"Croatian Heritage Project"
ILLINOIS HUMANITIES COUN-
CIL, \$8894

GOEBL-PARKER, ELIZABETH

Arts and Sciences
"Graduate Assistantship"
THE SAINT MICHAEL SCHOOL,
\$5,024.26

"Graduate Assistantship"
THE SAINT MICHAEL SCHOOL,
\$5,024.26

"Graduate Assistantship"
BRIDGES COMMUNITY SUP-
PORT SERVICES, \$1,674.75

"Graduate Assistantship"
BRIDGES COMMUNITY SUP-
PORT SERVICES, \$5,024.26

HU, SHUNFU

Arts and Sciences
"Orthorectification of Aerial Images
from 1992 in Madison County, Illi-
nois"
MADISON COUNTY, \$19,951

HUBBARD, KEVIN

Engineering
"Development of a Pneumatic Artic-
ulated Robotic Manipulator"

PALE NIGHT PRODUCTIONS,
\$3,064.49

"Development of a Magneto-
Rheologic Fluid Based Vibration
Damping System for use in Bar
Feeding Mechanisms"
HYDRODYNAMICS TECH-
NOLOGIES, \$4,463

"Finite Element Analysis of Diesel
Engine Components"
DIESELTECH, \$1,524

"Development of an Adjustable
Self Locking Mechanism"
MR. JACK TRUSTY, \$1,882

"The Creation of an EDA Univer-
sity Center at SIUE"
U.S. DEPARTMENT OF COM-
MERCE ECONOMIC DEVELOP-
MENT ADMINISTRATION,
\$158,527

"Development of a Magnetic Golf
Ball Detection System"
DENNIS BEVIRT, \$2,251

KHAZAELI, SADEGH and VOSS, ERIC

Arts and Sciences
"Hands-On Chemistry:
Improving High School Chemistry
Teacher Quality"
ILLINOIS BOARD OF HIGHER
EDUCATION (IBHE), \$131,385

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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.siue.edu/graduate for more information and for the current and past issues of *Research Highlights*.

AWARDED GRANTS *CONTINUED*, SUBMITTED GRANTS

KLORER, PATRICIA

Arts and Sciences
"Madison Student Support Center Graduate Assistantship #2"
MADISON STUDENT SUPPORT CENTER, \$5,024.50

"Madison Student Support Center Graduate Assistantship #1"
MADISON STUDENT SUPPORT CENTER, \$5,024.50

LEDZEWICZ, URSZULA

Arts and Sciences
"RUI- COLLABORATIVE RESEARCH-ANALYSIS OF OPTIMAL AND SUBOPTIMAL CONTROLS"
National Science Foundation, \$148,287

MOFFETT, KENNETH

Arts and Sciences
"Parties and the use of suspended rules in the Post-reform House"
AMERICAN POLITICAL SCIENCE ASSOCIATION, \$16,000.00

OTSUKA, ALLEN

Dental Medicine
"Correlation between Glucose -6-Phosphate Dehydrogenase Deficiency, Anemia and Glycosylated Hemoglobin"
FRATERNAL ORDER OF EAGLES, \$1,500.00

PANAHSHAHI, NADER

Engineering
"Determination of Dynamic Material Properties for SA-517E and SA-612 to be Implemented in Crash Analysis of Tanker Trailers"
OPTIMUM ENGINEERING SOLUTIONS, INC., \$1,287.00

POLO, KRISTINE

Business
"Entrepreneurship Center"
ILLINOIS DEPARTMENT OF COMMERCE & ECONOMIC OPPORTUNITY, \$150,000

SEGAL, MADHAV

Business
"MMR - FRI Internship"
FORWARD RESEARCH, INC., \$12,826.00

"Madison County - MMR Internship"
MADISON COUNTY, \$12,826.00
"MMR- PRI Internship 1"
PRAGMATIC RESEARCH, INC., \$4,809

TAYLOR, MORRIS JR.

Arts and Sciences
"Internship with City of University City"
UNIVERSITY CITY, \$2,994
"Intern with the Village of Swansea"
VILLAGE OF SWANSEA, \$2,195
"Internship with St. Clair Housing Authority"
ST. CLAIR HOUSING AUTHORITY, \$1,996

TURLEY, JANINA

University Services to East St. Louis
"Project Success 07/08"
ILLINOIS DEPARTMENT OF CHILDREN & FAMILY SERVICES, \$232,849

UMBAUGH, SCOTT

Engineering
"Veterinary Thermographic Image Analysis"
LONG ISLAND VETERINARY SPECIALISTS, \$13,411

VOSS, KIMBERLY

Arts and Sciences
"Catherine East: Midwife of the Feminist Movement"
RADCLIFFE INSTITUTE AT HARVARD UNIVERSITY, \$500.00
"Women's Page Journalists after World War II"
AMERICAN HERITAGE CENTER AT THE UNIVERSITY OF WYOMING, \$500.00

"Catherine East: Midwife of the Feminist Movement"
RADCLIFFE INSTITUTE AT HARVARD UNIVERSITY, \$500

WILLMOTT, CORY

Arts and Sciences
"Clothed Encounters: Great Lakes Algonquian Dress in Intercultural Relations, 1760-1930"
PASOLD RESEARCH FUND, \$2,205.38

Submitted

BARNETT, ERIC

The University Museum
"NEH Preservation Assistance General Survey"
NATIONAL ENDOWMENT FOR THE HUMANITIES, \$4,760.00

BOUVIER, DENNIS

Engineering
"Commonsense Computing: What Students Know Before We Teach Them"
NATIONAL SCIENCE FOUNDATION, \$25,626

ENGEL, GEORGE

Engineering
"Blended Clocked and Clockless Integrated Circuit Systems"
Blended Integrated Circuit Systems, LLC, \$45,288

"Collaborative Research Center for the Detection of Ionizing Radiation"
NATIONAL SCIENCE FOUNDATION, \$450,000

GLASSMAN, JACK

Arts and Sciences
"Development of Optical Parametric Amplification for Application to Stellar Interferometry"
RESEARCH CORPORATION, \$26,147.50

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SUBMITTED GRANTS *CONTINUED*

HUPP, STEPHEN and
JEWELL, JEREMY

Education
“Examining the Effectiveness of a Times-Out Training Program for Teachers”
THE SPENCER FOUNDATION,
\$39,966.00

JAMISON, THEODORE

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

JOY, EILEEN

Arts and Sciences
“Beowulf, Traumatic Memory, and the Elsewhere Ghosts of History”
NATIONAL ENDOWMENT FOR THE HUMANITIES, \$50,400

KRAUSS, RYAN

Engineering
“Improving the Accuracy of Automotive Head Impact Crash Simulations”
HONDA RESEARCH INSTITUTE, USA, \$50,000

KUTTERER-SIBURT, SUZANNE

VC for Student Affairs
“SIUE M3C Americorps”
WISCONSIN CAMPUS COMPACT, \$20,000

LIN, ZHIQING

Arts and Sciences
“Co-Application of WTR and Biosolids on Agricultural Land: Chemical Characterization of P and Heavy Metals”
NATIONAL SCIENCE FOUNDATION, \$39,050

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

“Early Head Start—FY2007-08—Cost-of-Living Adjustment”
DEPARTMENT OF HEALTH AND HUMAN SERVICES, \$19,282

MARLETTE, STEPHEN and
HASTY, MARILYN and
FICK, KATHLEEN

Education
“Math and Science Leadership Initiative—2 Secondary Mathematics (MASLI2-SM)”
ILLINOIS STATE BOARD OF EDUCATION, \$193,839

MARLETTE, STEPHEN and
TAYLOR, ANN and
O'DONNELL, BARBARA

Education
“Elementary Mathematics and Science Leadership Initiative-2 (EMASLI-2)”
ILLINOIS STATE BOARD OF EDUCATION, \$199,576

MORICE, LINDA and
HUNT, JOHN

Education
“Research on Factors Influencing the Closing of Missouri's Black Schools, 1865-1905”
STATE HISTORICAL SOCIETY OF MISSOURI, \$1,210.50

NIETO, MARCELO

Pharmacy
“Design, synthesis, and SAR/QSAR studies of new potential anti-infective agents”
AMERICAN ASSOCIATION OF COLLEGES OF PHARMACY, \$10,000

READING, GLORIA

Education
“Traveling the Middle East through Literature and Poetry: A Speaker's Series”
INTERNATIONAL READING ASSOCIATION, \$5,000

SCHMIDT, CYNTHIA

Nursing
“Parental Involvement with Adolescents' Type 1 Diabetes Care Management: Perceptions of Parents and Adolescents”
AMERICAN NURSES FOUNDATION, \$4,946.40

SHETLEY, PAUL

Engineering
“Career Academy”
LEWIS & CLARK COMMUNITY COLLEGE-IBHE/HECA, \$12,791

SLATTERY, DIANNE and
SLATTERY, KERRY

Engineering
“Evaluation of 3-D Laser Scanning for Construction Applications”
ILLINOIS CENTER FOR TRANSPORTATION, \$149,452

WEI, CHIN-CHUAN

Arts and Sciences
“Mechanism of Calcium-Induced Electron Transfer in NADPH Oxidase 5 and Dual Oxidase (DUOX)”
COTTRELL COLLEGE SCIENCE AWARDS/RESEARCH CORP., \$44,948

WELCH, LISA

Arts and Sciences
“Teaching Innovations & Professional Development Award”
SAGE/PINE FORGE PRESS, \$1,326.25

WELLS, JASON

Dental Medicine
“Whole-cell recording of TTX-r and TTX-s pulp neurons to study lh in dental pain”
NATIONAL INSTITUTE OF DENTAL AND CRANIOFACIAL RESEARCH (NIDCR-NIH), \$143,000

**INFORMATION FROM THE
OFFICE OF RESEARCH AND PROJECTS (ORP)
IS LOCATED AT
www.siu.edu/graduate.
LET US KNOW IF YOU HAVE ANY QUESTIONS.**

If you prefer to continue to receive the hard copy of *Research Highlights*, that option is still available. Contact Christa Johnson at cjohnaa@siu.edu or extension 2171 or Lil Manning at limanni@siu.edu or extension 3114 if you would like to request the hard copy version.