

2007 DISTINGUISHED RESEARCH PROFESSORS ANNOUNCED: PROFESSORS RIK HAFER AND KRZYSZTOF JAROSZ

The Graduate School announced the second round of recipients of the SIUE [Distinguished Research Professor](#) honor. Rik W. Hafer has been promoted to Distinguished Research Professor of Economics and Finance and Krzysztof Jarosz was promoted to Distinguished Research Professor of Mathematics and Statistics. The Distinguished Research Professor is a faculty rank awarded by the SIUE graduate faculty to recognize out-



Rik W. Hafer

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

years are eligible for this recognition. The first recipients of this honor were Timothy B. Patrick, 2006 Distinguished Research Professor of Chemistry, and Marian Smith, 2006 Distinguished Research Professor of Biological Sciences.

The Distinguished Research Professor rank recognizes faculty members who have made an outstanding contribution to research as a result of their continued commitment to scholarship beyond the period of their promotion to Professor. Recipients of this honor will be recognized with the rank of "SIUE Distinguished Research Professor" for the duration of their tenure at SIUE.

Rik W. Hafer, Professor in the Department of Economics and Finance, has been with SIUE since

1989. Prior to joining SIUE, he worked as a research economist at the Federal Reserve



Krzysztof Jarosz

Bank of St. Louis. He became Chair of this Department in 2001. Professor Hafer has stated, "I approach research as means to answer interesting questions." His research agenda focuses on how monetary policy, both in the United States and abroad, is formed and how monetary policy actions impact the economy. His work in monetary economics en-

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BRAD CROSS RECEIVES 2007 PAUL SIMON OUTSTANDING SCHOLAR AWARD

Brad Cross is the recipient of the 2007 [Paul Simon Outstanding Scholar Award](#). With SIUE since 1992, Brad Cross is a professor in the Department of Civil Engineering. Professor Cross is receiving the 2007 Paul Simon Outstanding Scholar Award because of his work in the areas of structural design, earthquake engineering, and computer methods of analysis and design and for his

work with his students, as is evidenced by his chairing the American Society of Civil Engineers (ASCE) National Committee for Student Involvement, which was newly created in 2006 after an impressive showing by



Brad Cross with Vaughn Vandegriff

SIUE students under his supervision at a recent conference.

The Paul Simon Outstanding Scholar Award is presented to an SIUE faculty member in order to recognize the role of research and creative activities in achieving excellence in teaching. The Simon Award confirms SIUE's belief that an individual must be

Continued page 4

DISTINGUISHED RESEARCH PROFESSORS *CONTINUED*

compasses technical analyses of how policy actions affect output, inflation, and exchange rates. Professor Hafer also has published studies that examine the development of monetary policies more in the tradition of historical analyses. As a Professor, he has published 27 articles, 3 books (a fourth forthcoming), and received 13 grants and contracts. He has refereed more than 200 articles for leading economics and finance journals, and he serves on the editorial board of the academic journal *Economic Inquiry*. In addition to his academic publications, Professor Hafer also has published numerous commentaries in the *St. Louis Post-Dispatch*, *Illinois Business Journal*, and *The Wall Street Journal*.

Professor Hafer's research includes other areas of economics. Some of his research relates to how we teach students economics. Some of his research indicates that determining students' math skills when they enter a principles course is actually a very good indicator of success in principles of economics. Knowing this fact allows instructors to better tailor the class to meet the students' needs. His work also relates to important social issues, such as the workings of the subprime lending market. He has examined the role played by race and gender in acquiring subprime loans from lending institutions in the Metro-East St. Louis market. His research shows that non-whites and females are less likely to receive such loans.

Professor Hafer's view is that "research activity" should be defined broadly, extending beyond publishing articles in academic journals, writing books, and participating in professional meetings. While such output provides a foundation to gauge someone's success in research, I think that other research-based activities also merit attention. . . . This includes pre-

senting research results in non-academic outlets, such as newspaper articles, public presentations to non-academic groups, and being available to assorted media requests for so-called expert opinions on current events." Thus, Professor Hafer has had an impact on academic audiences as well as on the public in general.

Krzysztof Jarosz, Professor in the Department of Mathematics and Statistics, has been with SIUE since 1988. He became Chair of this Department in 2003. Professor Jarosz's direct research interest is in Modern Analysis, a broad area in the center of the contemporary mathematical sciences that includes such topics as deformations and approximations of topological algebras and holomorphic structures, geometry of Banach spaces, automatic continuity, and analytic functions and Banach algebras. His work includes solving long-standing open problems concerning entire functions operating on Banach algebras and initiating a new line of research concerning the relation between continuity of certain operations on abstract spaces and algebraic properties of such spaces, which is now an active area of research internationally. Since his promotion to professor in 1992, he has published 31 articles, several in the top journals of mathematics and statistics, and received 10 grants and contracts.

Professor Jarosz has received external funding from the International Exchange Board and Endowment for Humanities, National Research Council, National Science Foundation, and the Fulbright Scholar Program. In addition, he received five external grants to organize a series of international *Conferences on Function Spaces* at SIUE and to edit and publish proceedings of these conferences. As part of his Fulbright award, he co-organized an International Conference on Topo-

logical Algebras in Poland and co-edited the proceedings of this conference. He has also received sponsored invitations for research presentations and collaboration from educational institutions including the University of Cantabria, University of Madrid, and University of Granada (all in Spain), four universities in Italy, five universities in India, and universities in Estonia and Poland, among others. These visits lasted up to several months and resulted in seven joint publications. Professor Jarosz is also the Associate Editor of *Commentationes Mathematicae* and of the *Journal of Mathematical Analysis and Applications*. "I strongly believe that the researchers, especially the more senior ones, have an obligation not only to contribute directly to the advancement of knowledge by conducting scientific investigations and publishing research papers but are also responsible for making indirect impact on the discipline by serving as editors, organizing international meetings, delivering research lectures, and mentoring students," Professor Jarosz has stated. In recent years, Professor Jarosz has lectured both on highly specialized topics as well as on broader areas to various audiences in 35 countries.

Recipients of the rank of "Distinguished Research Professor" receive a \$1,000 increase in their academic year base salary. They also are 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.

—by Lil Manning

ELEVENTH ANNUAL GRADUATE SCHOOL SYMPOSIUM WAS A WELL-RECEIVED EVENT

The Graduate School's 11th annual Research Symposium on April 3rd was a successful day of events for faculty and graduate students.

Grantwriting expert Bob Lowman once again presented an informative morning workshop, "Twelve Keys to Successful Grant Writing" to a full room of SIUE faculty and several off-campus professionals. Bob Lowman is the Associate Vice Chancellor for Research and Adjunct Associate Professor of Psychology at The University of North Carolina at Chapel Hill. The attendees were enthusiastic in their reception of Dr. Lowman. SIUE faculty had individual appointments with Dr. Lowman during the afternoon.

During the morning, the Graduate Student Research Symposium featured paper presentations and poster exhibits by graduate students and Undergraduate Research Academy students. (See announcement of student awardees on page 5.)

The Paul Simon Outstanding Scholar Award Luncheon included a presentation by, Allison Funk, Professor in the Department of English Language and Literature and recipient of the 2006 Paul Simon Outstanding



**Brad Cross accepting his
2007 Paul Simon Outstanding
Scholar Award**

Scholar Award. In her presentation, "Making Connections: A Crown of Sonnets," she included five of her students reading their sonnets as part of the crown. Professor Funk's work is in the area of creative writing. As shown in her presentation, she integrates her experiences as a poet into her teaching, including creating the SIUE students' literary magazine, *The River Bluff Review*.

The Graduate School was delighted to announce Brad Cross as the 2007 Paul Simon Outstanding Scholar Awardee at the luncheon. With SIUE since 1992, Brad Cross is a professor in the Department of Civil Engineering. Professor Cross is receiving the 2007 Paul Simon Outstanding Scholar Award because of his work in the areas of structural design, earthquake engineering, and computer methods of analysis and design and for his work with his students, as is evidenced by his chairing the American Society of Civil Engineers (ASCE) National Committee for Student Involvement, which was newly created in 2006 after an impressive showing by SIUE students under his supervision at a recent conference.

Throughout the day, scholarly and creative publications by SIUE



Allison Funk with her 5 students

faculty were on display under the auspices of Stephen Kerber, University Archivist and Special Collections Librarian, and Amanda Bahr-Evola, Archives Specialist.

The Chancellor's Researchers' Reception wrapped up the eventful day. Chancellor Vaughn Vandegrift provided a warm welcome. Steve Hansen, Associate Provost for Research and Dean of the Graduate School, presented a humorous look at SIUE's researchers and administrators in terms of works of art throughout the centuries.

The Graduate School staff thanks all faculty and students who participated in this year's activities and will get started planning next year's event.



Allison Funk

SIMON AWARD CONTINUED

a good scholar to be a good teacher. The Simon Award is sponsored by the Graduate School and presented by the SIUE Graduate Faculty.

Professor Cross said in his nomination statement, “I believe that there is an important role for universities that promote excellence in education. I strongly believe that SIUE is an ideal place for a faculty member to work to help achieve that goal. While research and service activities are very important here, I believe they should contribute to the primary mission of excellence in education whenever possible.”

Professor Cross has “aggressively sought external projects” that directly enhance students’ learning experiences. His funded projects from the Illinois Department of Transportation (IDOT) and from the National Science Foundation (NSF) directly involved undergraduate and graduate students. Students have done such activities as doing field experimentation on highway bridges, performing design and analysis computation in the laboratory, and developing a small shaking table earthquake display for the Children’s Museum of Edwardsville. Professor Cross’s external funding is also important to his areas of structural design and earthquake engineering. His experimental studies of Illinois highway loads for IDOT have led to a deeper understanding of the types of truck loadings experienced by bridges and the way those forces are distributed throughout the structures. He and his students have also worked, with funding from NSF and the Mid-America Earthquake Center, on producing three-dimensional computer simulations for viewing the effects of earthquakes on buildings and to help understand upgrade procedures that might be used.

Much of his work has been accom-

plished in close collaboration with faculty in the School of Engineering, such as Nader Panahshahi and Brent Vaughn of the Department of Civil Engineering, and Scott Smith of the Department of Electrical and Computer Engineering. Professor Cross has obtained assistance in hiring students from Ron Banks, Assistant to the Dean of the School of Engineering.

Students are involved in all of Professor Cross’s research and scholarly activities to some extent. For example Professor Cross co-chaired the 2006 Structures Congress of the Structural Engineering Institute of the American Society of Civil Engineers. He helped bring this conference to St. Louis for the first time in its history; it was attended by more than 900 structural engineers from around the world. “For the first time, this conference strongly encouraged student participation,” Professor Cross said. “Our student chapter of ASCE prepared an exhibit of undergraduate research being performed at SIUE for the exhibit hall, along with other schools in our area.” This exhibit led to his being selected to chair a newly formed student involvement committee.

Professor Cross was the Associate Editor for Seismic Effects for the *American Society of Civil Engineers’ Journal of Structural Engineering* from 1999-2002. He is also licensed as a professional engineer and a structural engineer, the highest level of structural engineering licensing available in the State of Illinois.

One scholar, in a letter of support for Professor Cross, states, “Dr. Cross is an exceptional teacher and mentor who motivated his students to ‘look at the big picture’ and see how their research fit into the overall center [Mid-America Earthquake (MAE) Center] mission and objectives. Dr.

Cross frequently featured and praised his students’ accomplishments at the MAE Center Annual Meetings and the NSF Site Reviews.”

Another supporter wrote that “Dr. Cross has allocated his efforts and professional expertise to inspire many young male and female engineering students, majority and minorities, by sparking their keen awareness through meaningful research consisting of comprehensive laboratory experimentation.”

A former student and now professional engineer stated that Professor Cross’s “continued efforts for research have allowed him to publish many papers and provide himself with national recognition in the engineering community.”

Another former student wrote, “I was a student of his several years ago, worked with him when I was a graduate student, have been a colleague of his for the past several years, and have worked with him as a co-investigator on an externally-funded field research project. In all of these roles he has impressed me with his devotion to teaching and how he has involved students, both undergraduate and undergraduate, as much as he could in the research projects that he was working on.”

This former student wrote that Professor Cross “allows undergraduate students to work on his research projects and incorporates his research into the classroom. I feel that his research, combined with his ability as a teacher and mentor, greatly increased the value and effectiveness of my education at SIUE.”

As the 2007 recipient of this Simon Award, Professor Cross will make a presentation at next year’s Paul Simon Luncheon.

—by Lil Manning

STUDENTS RECEIVE AWARDS FROM THE ELEVENTH ANNUAL GRADUATE SCHOOL RESEARCH SYMPOSIUM

The Graduate Student Research Symposium featured paper presentations and poster exhibits by graduate students and Undergraduate Research Academy students. All of the paper presentations and poster presentations were of high quality. The following students were recipients of awards in the following categories.

Winner of the \$200.00 Best Paper Presentation:
Graduate Student,
Karyn Stewart,

Program in Sociology,
Paper title: “*The Blacker the Better?*”
An Examination of Skin Tone and Perceived Experiences among Blacks”

Winner of the \$200.00 Best Poster Presentation:
Undergraduate Research Academy Student,
Ross Mead,
Program in Computer Science
Poster Title: “*A Platform for Local*

Interactions between Robots in Large Formations”

Winner of the iPod-nano drawing:
Troy Turner

Winner of the \$50.00 iTunes gift card drawing:
Jason Dreyer

Winner of the SIUE sweatshirt drawing:
Antwan Love

—by Linda Skelton

SPRING SEMESTER RGGGS RECIPIENTS ANNOUNCED

The recipients of the Spring 2007 [Research Grants for Graduate Students](#) (RGGGS) awards have been selected. The RGGGS Program awards 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 the program is to support the research of graduate students, particularly relating to a thesis or final project.

Proposals must be approved by the student’s major advisor and are then ranked by the department. The Research and Projects Advisory Board (RPAB) of the Graduate School makes the final recommendations on funding.

The recipients of the Spring 2007 RGGGS awards follow.

College of Arts and Sciences

Izuchukwi Anakor, Environmental Sciences, “Bioaccumulation and Volatilization of Selenium by Mushrooms”
Scott Billings, Environmental Sciences, “Wetlands Reserve Program: A Study of Why Farmers in Illinois Participate in the WRP”

Erin Cork, Art and Design, “Investigation of Cultural and Personal Nostalgia”

Gifty Dankyi, Mass Communications, “Public Relations in a Changing Media Environment: The Case of Ghana”

Daniel Huff, Environmental Sciences, “Co-application of Biosolids and Drinking Water Treatment Residues to Agricultural Soils to Reduce Phosphorus and Metal Bioavailability”

Matty Kleinberg, Art and Design, “Preservation / Advocation”

Pamela Lauf, Geography, “Comparing Curbside Recycling Rates of 3 Communities in St. Clair County, Illinois”

James Mackey, Biological Sciences, “Site directed mutagenesis studies of Group I pheromones and receptors of *Schizophyllum commune*”

Esther Onyango, Biological Sciences, “Pharmacological characterization of acetylcholine receptors in the gut of the earthworm *Lumbricus terrestris*”

Kelly Parish, Historical Studies, “Plurality, Memory, and Moral Discernment in Hannah Arendt: Rebuilding Democratic Values in a Post-Modern World”

Rupak Thapaliya, Environmental Sciences, “Environmental Scarcity and Social Implications: The Case of Nepal”

Abigail Wackerly, Environmental Sciences, “Evaluation of the Thermal Benefits of Green Roofs in the Midwest United States at Southern Illinois University Edwardsville”

John Wendler Jr., Biological Sciences, “Morphology, Performance, and Fitness in the Southern Flying squirrel (*Glaucomys volans*)”

Emily Woods, Environmental Sciences, “Evaluating the Storm Water Quantity and Quality of Green Roof Systems”

School of Education

Dustin Bailey, Psychology, “The effects of violent interactive games on aggression”

Kyle Conlon, Psychology, “First Impressions of People with Mental Illness: Trait Judgments Inferred from Neutral Facial Expressions”

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GRADUATE SCHOOL ANNOUNCES RECIPIENTS OF FUR FUNDING AND NEW BAICH RESEARCH FUND AWARD

The recipients of the Graduate School's **Funded University Research (FUR)** program for FY 2008 have been announced.

The Graduate School is also pleased to announce the first recipient of the new **Annette and Henry Baich Award**: Cynthia Schmidt, Associate Professor in the School of Nursing. The Baich Award was made possible by generous private donations to the Annette and Henry Baich Research Fund to support research broadly within the scope of the Sigma Xi Society. To qualify for this Award, academic areas of expertise may include the physical sciences, the life and medical sciences, earth and agricultural sciences, engineering, economics, psychology, and mathematics. This first year's recipient was chosen by the RPAB committee among the current eligible applicants for the FY2008 FUR program. In subsequent years, applicants will indicate their desire to be considered for this Award during the FUR application process. Expenditures for the Annette and Henry Baich Research Award may support the awardee's broader research agenda beyond the specific project described in the FUR application.

This year proposals were again submitted electronically through the Graduate School's website, using the abstract management system powered by **COS.com**. The level of funding for the program remained at \$100,000. Awards may include funding for commodities, one unit of assigned time for research, contractual services, travel, student wages, graduate assistantships, equipment, and telecommunications. Total awards do not exceed \$7,500, excluding graduate assistantships. Faculty with projects where the total support requested was more than \$3,000 are required to submit a proposal for external funding within one year in order to maintain eligibility for future funding from the Graduate School.

The 20 faculty recipients of FY2008 FUR program funding are the following, listed alphabetically.

College of Arts and Sciences

Todd Anderson, Art and Design, "Printed Matter: Addressing Meaning and Conflict," \$6,952.

Kelly Barry, Biological Sciences, "Development of Tissue Culture Propagation Protocols for Schoeno-

plectus hallii, a Native Wetland Sedge of Conservation Concern," \$2,500.

David Duvernell, Biological Sciences, "An Experimental Test of the Competitive Exclusion Hypothesis in Two Topminnow Species," \$2,283.

Richard Essner, Biological Sciences, "Evolutionary Insight from a 'Living Fossil': An Integrative Study of Jumping in the Tailed Frog, *Ascaphus truei*," \$2,990.

Gregory Fields, Philosophy, "Sacred Breath: Thought and Culture of the Central North Pacific Coast (CD set and book)," \$2,700.

David Kaplan, Physics, "Development of Textbook for SIUE Waves Course (Physics 301)," \$3,000.

Urszula Ledzewicz, Mathematics & Statistics, "Research Monograph/Textbook 'Optimal Control Theory with Applications to Biomedical Systems'," \$3,500.

Sara Sawyer, Biological Sciences, "The Effect of Temperature on Integrin Adhesion in the Anemone, *A. pulchella*," \$3,001.

Marta Simidhtchieva, Music, "Lifting the Veil: Presenting Unknown Compositions for Cello and Piano by Bulgarian Composers to American Audiences," \$2,985.

School of Business

Ayse Evrensel, Economics and Finance, "Monetary Transmission Mechanism and Business Cycles," \$6,460.

James Hackard, Economics and Finance, "The Effect of Share Splits on iShare Exchange-Traded Funds," \$2,025.

Jingyi Jia, Economics and Finance, "Does Market Discipline Influence Bank Profit Efficiency?" \$4,850.

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RGGS RECIPIENTS CONTINUED

Shannon Dyson, Psychology, "Reducing Stress in Parents through Cognitive Restructuring"

Emily Jones, Psychology, "The relationship of birth order and sex to self-esteem in prepubescent children"

Morgan Quernheim, Psychology, "Internet Recruiting: Organizational Attraction and Intent to Apply Based on Type of Job Preview"

Sara Shehadeh, Psychology, "Intervention for Negative Body Image among College Men"

School of Engineering

Bahman Abbasi, Mechanical Engineering, "An Experimental and Numerical Study of Droplet Oscillation"

The next deadline for the RGGS competition will be in early October 2007. Applications will be available online at www.siu.edu/graduate and in the Graduate School.

FIRST CYCLE OF FUNDING FOR IUR RESEARCH TEAMS ENDS SOON

The first cycle of funding for the three research teams sponsored by the Institute will end on June 30th. Over the summer, the staff of the Institute will meet with the directors of the teams, the Dean of the Graduate School, and other constituencies to assess the effectiveness of the team approach to increasing the depth and breadth of the research related to urban issues undertaken by the faculty and staff of SIUE. After this assessment has been completed, the Institute will refine its strategies with respect to the manner in which it will continue to support and develop research agenda related to the mission of the Institute. At present, the Institute plans to continue to use the research team approach as its principal means of promoting research related to its mission. The number of teams and the continued sponsorship of existing teams will be discussed over the course of the summer and fall.

COMMUNITY AND URBAN DEVELOPMENT

The Illinois Criminal Justice Asso-

ciation (ICJA) has informed T. R. Carr that it plans to issue an RFP for projects related to the rehabilitation of juvenile offenders and those that commit non-violent acts, especially those involving illegal drugs. The staff of the Association continues to encourage Prof. Carr and his team to resubmit a proposal that was not funded in the ICJA's first round of grants related to this concept. Prof. Carr plans to make the modifications suggested by the staff of the Association and to submit a revised proposal when the RFP is issued in May.

Rhonda Penelton, the IUR staff liaison to this team, and Prof. Carr have met with the leadership of the River Bluffs Council of the Girl Scouts of America to discuss the next phase of the research that the Council would like to undertake. This work is to assist with the development of methodology that will permit the Girl Scouts to address the issue of accountability to those who support the organization. This is especially important for agencies that receive funding from the United Way

which expects organizations to report on how the funds that it awarded were used and the outcomes from those expenditures.

Prof. Carr has also begun discussions on the development of proposals related to alternative fuels, especially the concept of converting municipal waste into a renewable fuel that can serve as an alternative to gasoline in urban areas in which a significant percentage of the air pollution is the result of vehicular traffic. Prof. Carr made a trip to Arkansas in March to meet with the staff of an organization that has successfully converted some types of urban waste into ethanol in a laboratory environment. The organization is beginning to look for support to build a prototype production facility somewhere in the Midwest. Prof. Carr would like to put together a group to examine the feasibility and issues related to municipal support for such plants.

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FUR and Baich Award recipients *continued*

Christy Spivey, Economics and Finance, "Desperation or Desire? The Role of Risk Aversion in Marriage," \$4,000.

George Watson, Management and Marketing, "The Effects of Stress on Adherence to Espoused Moral Values," \$2,577.

School of Education

James LeCheminant, Kinesiology & Health Education, "The Use of Pedometers to Increase Physical Activity and Prevent Obesity in University

Freshman," \$11,099.

James Panico, Special Education & Communication Disorders, "Elementary School Students' Perceptions of Stuttering," \$1,000.

Tianlong Yu, Educational Leadership, Character Education in a Public Elementary School," \$6,745.

School of Engineering

Cem Karacal, Mechanical & Industrial Engineering, Mining Machine Data Streams Using Statistical Process Monitoring Techniques," \$10,189.

School of Nursing

Cynthia Schmidt, Family Health and Community Health Nursing, "Parental Involvement with Adolescents' Type 1 Diabetes Care Management: Perceptions of Parents and Adolescents," \$5,451.

School of Pharmacy

Kenneth Witt, Pharmaceutical Sciences, "Estrogen Modulation and the Blood-Brain Barrier," \$7,500.

IUR RESEARCH TEAMS *CONTINUED*

URBAN EDUCATION

Michael Afolayan returned to the faculty after taking medical leave in the fall semester and has rejoined the team. After examining existing instruments that may be used to measure motivation and attitudes, the team has decided to develop its own instruments and has contracted to have those instruments developed. The team is in the process of obtaining permission from the Chicago Public School District to ask teachers, principals, and other administrative and staff personnel to participate in this study of the effects of No Child Left Behind mandates on supervisor, teacher, and student morale. The process for obtaining such permission will take some time given the nature of the Chicago Public Schools. To facilitate the collection of initial data required to support applications for the multiple year grants that the team seeks, the team is also seeking permission from East St. Louis School District 189 and at least one other district in the region to survey their personnel in the first phase of this research.

LEAD CONTAMINATION IN URBAN ENVIRONMENTS

On April 6th, the Lead Group made a presentation as part of the Research Colloquia Series sponsored by the College of Arts and Sciences. This presentation was based on the work

that has been undertaken to date and the proposed research that is to begin this summer on the sources and effects of lead contamination on children.

Hugh Pavitt has coordinated discussions with Judy Riehl, Executive Director of the St. Louis Lead Prevention Coalition, Kenneth Hise, St. Louis Intergovernmental Grants Department, and Gracie Hutchinson, Metro East Lead Collaborative, on the development of a grant proposal to be submitted to the Federal Environmental Protection Agency. This grant proposal would permit the Lead Research Team to provide research support for the development of lead abatement programs to be created and implemented on a broader regional basis.

One of the issues that must be addressed for this broader approach to be implemented is the manner in which blood lead levels, especially those in children, will be assessed. The question of which members and how each member will obtain IRB certification is to be addressed.

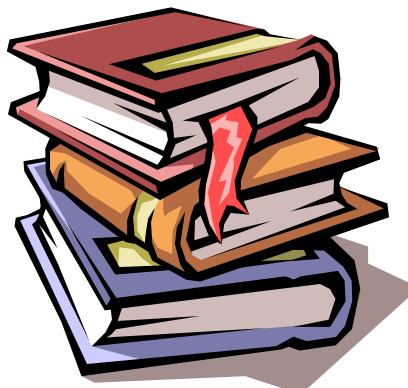
THE INSTITUTE

The staff of the Institute continues to work with Christa Johnson to identify and investigate grant opportunities for its teams. Because Hugh Pavitt and Rhonda Penelton have experience

working with issues related to the provision of local government services, the Institute receives periodic inquiries from municipalities and other governmental units seeking assistance with projects that are related to or update work that was done on prior occasions. The Institute has been approached by the City of Alton and Montgomery County Government to replicate earlier studies on employee compensation.

The staff of the Institute has met with Kathy Claudson, Executive Director, Children First Foundation, to discuss the development of a research project that would lead to one or more grant proposals dealing with issues related to Illinois Supreme Court Rule 924 which requires all persons under court orders with respect to child custody and support attend a minimum of four hours of education on the effects of the dissolution of marriage, divided or joint custody, and similar court actions on children. This order also mandates that each adult receive a minimum of four hours of mediation to resolve issues before the court. Ms. Claudson's organization is seeking assistance with the development and evaluation of its programming with respect to this Supreme Court Rule that went into effect on July 1, 2006.

—by David Ault



NEW NSF GUIDE ANNOUNCED—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) **
- Grant Proposal Guide, June 2007 (nsf07140) **
- Award Administration Guide, June 2007 (aag07140)**
- 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—April 2007 (cu0407)
- U.S. R&D Increased 6.0% in 2006 according to NSF Projections (nsf07317)
- Accelerating Discovery in Science and Engineering through Petascale Simulations and Analysis (nsf07559)
- Ancient T. rex and Mastodon Protein Fragments Discovered, Sequenced (pr07038)
- Chemist, Educator, Communicator Receives 2007 National Science Board Public Service Award (pr07039)

- The “Numb3rs” Add Up: Popular TV Show and Its Creators Receive Public Service Award (pr07040)
- Federal Science and Engineering Support to Universities, Colleges, and Nonprofit Institutions: FY2007 (nsf07316)
- Misclassified for Centuries, Medicinal Leeches Found to Be Three Distinct Species (nsf07037)
- Report to the National Science Board on the National Science Foundation’s Merit Review Process FY2006 (nsb0722)
- Research Initiation Grants and Career Advancement Awards to Broaden Participation in Biology (nsf07560)
- National Plant Genome Initiative: Progress Report January 2007 (npgipro2007)
- Ocean’s “Twilight Zone” May be a Key to Understanding Climate Change (pr07046)
- Biology in the 21st Century (pr07045)
- X-treme Life on the Web (ma07012)

**** New NSF guide**

NSF announces the new *NSF Proposal & Award Policies & Procedures Guide* (NSF07-140). The Guide consolidates two previous standalone NSF policy documents: the *NSF Grant Proposal Guide* (GPG) and the *Grant Policy Manual*



(GPM) and combines them into a single electronic policy framework. The *Proposal & Award Policies & Procedures Guide* will be effective for proposals submitted on or after June 1, 2007. This document uprecedes all prior versions of the GPG and GPM and can be accessed at http://www.nsf.gov/publications/pub_summ.jsp?ods_key=nsf07140.

The *Guide* consists of two parts. Part I is comprised of NSF’s proposal preparation and submission guidelines—the *NSF Grant Proposal Guide* and the *NSF Grants.gov Application Guide* (to be incorporated at a later date). Part II is comprised of documents used to guide, manage, and monitor the award and administration of grants and cooperative agreements made by NSF. The GPM has been incorporated in the *Guide* as Part II and renamed the *Award & Administration Guide* (AAG). Each Part of the *Guide* contains a by-chapter summary of significant changes to assist the user in navigating through the changes.

For questions regarding the new *Guide*, contact the NSF Policy Office at policy@nsf.gov.

AWARDED AND SUBMITTED GRANTS AND CONTRACTS MARCH 6, 2007 — APRIL 24, 2007

Awarded

AKERS, FRANK

Arts and Sciences
“FY 2007 RADIO COMMUNITY SERVICE GRANT (CSG)”
CORPORATION FOR PUBLIC BROADCASTING, \$21,402.00
“Untitled”
ILLINOIS ARTS COUNCIL, \$25,420.00

BORDOLOI, BIJOY

Business
“Fulbright Scholarship to India, 2007-08”
The J William Fulbright Foreign Scholarship Board, \$12,000.00

BUSH, RICHARD

Arts and Sciences
“Community Link Inc.”
Community Link Inc., \$7,419.50

CARR, T. R.

Arts and Sciences
“Internship with St. Louis County Municipal League”
St. Louis County Municipal League, \$12,740.76
“Internship with Metro East Park & Recreation District”
METRO EAST PARK & RECREATION DISTRICT, \$3,688.00

CAUPERT, V. JOHN JR.

Graduate School, National Corn to Ethanol Research Center
“READY DETERMINATION OF DDGS NUTRITIONAL VALUE”
IDCEO, \$110,000.00

HALE, DONNA

Arts and Sciences
“Mini grant for intergenerational leadership program”
SOUTHERN ILLINOIS UNIVERSITY CARBONDALE, \$1,000.00

HARRISON, ROBERTA

Nursing
“Collaborative Service Agreement between SIUE School of Nursing and Anderson Hospital- Harrison”
Anderson Hospital, \$20,000.00

HUBBARD, KEVIN

Engineering
“Design of an apparatus for removal of nitrocellulose lacquer”
AMY RUSSELL, \$2,498.21
“Finite Element Analysis of a Four High Rolling Mill”
OLIN BRASS, \$1,201.20
“International Filter Manufacturing”
INTERNATIONAL FILTER MANUFACTURING CORP., \$5,000.71

LUTTRELL, GREG

Engineering
“Field Testing of Driver Behavioral Changes in Response to the Tri-Alert Safety Device”
MR. BUD HAERER, ILLINOIS MISSOURI TIRE & STONE, INC., GRANITE CITY, IL, \$9,790.00

MALLORY, HAZEL

University Services to East St. Louis
“FY 2007-08 Head Start Basic Grant and Head Start T/TA Grant”
DHHS- Administration for Children, Families and Youth, \$6,689,931.40
“FY2007-08 Early Head Start Basic Grant and Early Head Start T/TA Grant”
DEPARTMENT OF HEALTH & HUMAN SERVICES, \$1,317,925.20
“Reading is Fundamental, Inc. (RIF IL716J)”
READING IS FUNDAMENTAL, INC., \$7,992.00

PEARSON, RANDALL and DAVIS, NANCY

Arts and Sciences
“Subsidence Monitoring Response Team”
Department of Natural Resources,

Continued next page

REMINDER:

**PROGRAM AND APPLICATION ANNOUNCEMENTS HAVE CHANGED —
CHECK [WWW.COS.COM](http://www.cos.com) FOR INFORMATION ON FUNDING SOURCES**

As a reminder, in response to our readers we will no longer include the listing of program announcements in this newsletter. We would now like to direct you to www.cos.com in order to meet your specific needs better. When you enter this website, you can register your profile and receive funding alerts that match your research inter-

ests. 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*.

AWARDED GRANTS *CONTINUED*, SUBMITTED GRANTS

Office of Mines and Minerals,
\$104,398.40

PRESLEY, JENNIFER and
DeANGELIS, KAREN

Graduate School, Illinois Education
Research Council

“Teacher Quality and Essential
School Supports: Untangling their
interrelationship for school improve-
ment”

SPENCER FOUNDATION,
\$26,700.00

RAMBSY, HOWARD

Arts and Sciences

“Cool Black Consciousness: A
Framework for Understanding Con-
temporary African American Litera-
ture”

WOODROW WILSON NATIONAL
FELLOWSHIP FOUNDATION,
\$31,215.00

SEGAL, MADHAV

Business

“MMR Internship- Anheuser-Busch”
ANHEUSER-BUSCH, INC.,

\$12,826.00

“Doane Marketing Research- MMR
Internship”

DOANE MARKETING RE-
SEARCH, INC., \$9,908.80

SHAW, MICHAEL

Arts and Sciences

“Magnesium Cells”

MGWATT LLC, \$2,709.10

SHETLEY, PAUL

Engineering

“Program Improvement Grant
FY2007”

ILLINOIS COMMUNITY COL-
LEGE BOARD, \$23,248.50

TAYLOR JR, MORRIS
ANTHONY

Arts and Sciences

“Intern with East St. Louis Housing
Authority”

EAST ST. LOUIS HOUSING

AUTHORITY, \$2,195.64

“Internship with Lewis and Clark
Library System”

LEWIS & CLARK COMMUNITY
COLLEGE-IBHE/HECA, \$4,989.60

“Intern with the City of O'Fallon”
City of O'Fallon, \$7,484.40

“Internship with East St. Louis
Housing Authority”

EAST ST. LOUIS HOUSING
AUTHORITY, \$3,695.76

VOSS, ERIC and **O'BRIEN,**
LEAH, and **WIEDIGER, SUSAN**

Arts and Sciences

“COLLABORATIVE PROJECT
GEMINI SPM: SCANNING
PROBE MICROSCOPY IN UN-
DERGRADUATE CHEMISTRY
COURSES”

NATIONAL SCIENCE FOUNDA-
TION (06-536), \$74,975.36

WILLIAMS, LORRAINE

Nursing

“Pioneers and Progress in Health-
Care Professions-LCCC”

HECA, \$9,475.00

WORTHINGTON, RONALD and
FERGUSON, PAUL

Pharmacy

“Assay Development for a Biosensor
to Minimize Antibiotic Use in Corn-
to-Ethanol Manufacturing”

NATIONAL SCIENCE FOUNDA-
TION, \$138,033.00

YAGER, SUSAN

Business

“Boeing Welliver Faculty Fellow-
ship”

THE BOEING COMPANY,
\$14,100.00

YANCEY, VALERIE

Nursing

“Collaborative Service Agreement-
Alton Memorial Hospital”

ALTON MEMORIAL HOSPITAL,
\$30,000.00

Submitted

ANTHONY, PAUL

Library and Information Services

“‘Homeland Security’ Monograph
Partnership”

CONSORTIUM OF ACADEMIC
AND RESEARCH LIBRARIES IN
ILLINOIS - NORTHERN ILLINOIS
UNIVERSITY, \$2,250.00

ARRAS, RITA and **BOYD, ROGER**

Nursing

“Reaching Out to African American
Men to Address Prostate Cancer Dis-
parities”

American Cancer Society, Illinois Di-
vision, \$246,510.00

CARLISLE, LINDA

Library and Information Services

“Latin American Studies (SIUE Por-
tion: History of Mexico and Cuba)”

CONSORTIUM OF ACADEMIC
AND RESEARCH LIBRARIES IN
ILLINOIS - NORTHERN ILLINOIS
UNIVERSITY, \$3,050.00

“Anthropology (year 2)”

CONSORTIUM OF ACADEMIC
AND RESEARCH LIBRARIES IN
ILLINOIS - NORTHERN ILLINOIS
UNIVERSITY, \$2,271.00

“Policy Studies Cooperative Collection
Project: Partnering to Keep Pace with
the Curriculum”

CONSORTIUM OF ACADEMIC
AND RESEARCH LIBRARIES IN
ILLINOIS - NORTHERN ILLINOIS
UNIVERSITY, \$2,800.00

“Social Work”

CONSORTIUM OF ACADEMIC
AND RESEARCH LIBRARIES IN
ILLINOIS - NORTHERN ILLINOIS
UNIVERSITY, \$3,300.00

DE MEO, CRISTINA

Arts and Sciences

“Expanding the scope of thioimioyl
leaving groups in sialylation reactions”
AMERICAN CHEMICAL SOCIETY-

Continued next page

SUBMITTED GRANTS *CONTINUED*

PETROLEUM RESEARCH
FUND, \$64,500.00

ESSNER, RICHARD

Arts and Sciences
“An inventory of Avian Diversity
in the Gardens at SIUE”
ILLINOIS CONSERVATION
FOUNDATION, \$5,000.00

FLICK, LOUISE

Nursing
“National Children's Study, St.
Louis, Missouri”
NATIONAL INSTITUTES OF
HEALTH AND DEVELOPMENT
(Subcontract to SLU),
\$4,190,070.93

HUBBARD, KEVIN

Engineering
“The Creation of an EDA Univer-
sity Center at SIUE
U.S. DEPARTMENT OF COM-
MERCE AND ECONOMIC DE-
VELOPMENT ADMINISTRA-
TION, \$158,527.00
“Development of a Pneumatic Ar-
ticulated Robotic Manipulator”
PALE NIGHT PRODUCTIONS,
\$3,064.49
“Finite Element Analysis of a Four
High Rolling Mill”
OLIN BRASS, \$1,201.20

JAMISON, THEODORE

University Services to East St.
Louis
“Youth Arts Program FY 07/08”
ILLINOIS ARTS COUNCIL,
\$67,501.00
“Summer Youth Arts Program”
COMMUNITY DEVELOPMENT
BLOCK GRANT, \$10,500.00

JOHNSON, CHARLOTTE

Library and Information Services
“Audio Books Cooperative Collec-
tion Project”
CONSORTIUM OF ACADEMIC
AND RESEARCH LIBRARIES IN

ILLINOIS - NORTHERN ILLINOIS
UNIVERSITY, \$3,000.00

KLOSTERMANN, BRENDA

Illinois Education Research Council-
Graduate School
“Examining the Chicago Early
Childhood Teacher Preparation Pipe-
line”
THE JOYCE FOUNDATION,
\$168,945.70

KUTTERER-SIBURT, SUZANNE

VC for Student Affairs
“SIUE M3C Americorps”
WISCONSIN CAMPUS COM-
PACT, \$20,000.00

LINDELL, REBECCA

Arts and Sciences
“Unobservable Education Choices
Rubric (UECR): A tool for self and
external assessment of teacher align-
ment with standards”
Western Michigan University,
\$78,528.45

MARSHO, MARILYN

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

MINCHIN, PETER

Arts and Sciences
“Upper Mississippi River System
Bottomland Forest Restoration”
NATIONAL FISH AND WILDLIFE
FOUNDATION, \$19,720.00

**MORGAN, SUSAN and
RETZLAFF, WILLIAM**

Engineering / Arts and Sciences
“Optimizing Green Roof Technolo-
gies in the Midwest- Phase II”
U.S. ENVIRONMENTAL PRO-
TECTION AGENCY, \$75,000.64

PANAHSIAHL, NADER

Engineering
“Determination of Dynamic Material

Properties for SA- 517E and SA-612
to be Implemented in Crash Analysis
of Tanker Trailers”
OPTIMUM ENGINEERING SOLU-
TIONS, INC., \$1,287.00

PARIS, MATT

Library and Information Services
“Higher Education Leadership”
CONSORTIUM OF ACADEMIC
AND RESEARCH LIBRARIES IN
ILLINOIS - NORTHERN ILLINOIS
UNIVERSITY, \$2,500.00
“Libraries Assisting in the Education
of Students with Special Needs”
CONSORTIUM OF ACADEMIC
AND RESEARCH LIBRARIES IN
ILLINOIS – NORTHERN ILLINOIS
UNIVERSITY, \$2,000.00

PRYOR, CAROLINE

Education
“Landmarks of American History and
Culture: Workshops for School
Teachers”
NATIONAL ENDOWMENT FOR
THE HUMANITIES, \$129,888.38

RAMSBY, HOWARD

Arts and Sciences
“Cool Black Consciousness: A
Framework for Understanding Con-
temporay African American Litera-
ture”
Woodrow Wilson National Fellow-
ship Foundation, \$31,215.00

SHABESTARY, NAHID

Arts and Sciences
“Application of Gemini Surfactant
Clay Interclates as Triphase Cata-
lysts”
National Science Foundation,
\$105,725.00

SWEEZEY, CHARLES OTIS

Arts and Sciences
“Summer Showbiz '08”
ILLINOIS ARTS COUNCIL,
\$8,000.00