New Awards

Congratulations to the following faculty and administrators who have recently received new awards and award renewals on behalf of the University.

**Dr. Ronald Bailey**, Distinguished Visiting Professor of Africana Studies and History, Department of Social and Behavioral Sciences, Institute of Museum and Library Services (IMLS) Program, “Building African-American Museum Capacity in Savannah and Southeast Georgia”, $149,700, August 2008 – July 2009. This is an interdisciplinary collaboration between SSU and seven regional African-American history museums which will increase the programmatic impact of the partners, provide staff professional development, develop a sustainable regional network, and include a student museum internship program.

**Dr. Bernita Berry**, Chair, Department of Social Work, Council on Social Work Education Gero-Ed Center Curriculum Development Institute, $9,200, July 2008 to June, 2011. The project will strengthen gerontological competencies by supporting eLearning training, networking, mentoring, and conference attendance and presentations. The project will provide a student research assistantship.

**Dr. Michael Crow**, Director, Institutional Research and Planning, Southern Education Foundation Center to Serve HBCUs Mini-Grant, $15,000, July 2008 to May 2009. The grant supports technical assistance to address accreditation issues of the Southern Association of Colleges and Schools.

**Ms. Mary Jo. Fayoyin**, Director, Asa H. Gordon Library, Arts Midwest/National Endowment for the Arts (NEA), The Big Read, $20,000, September 2008 to June 2009. SSU’s Big Read, featuring Dashiell Hammett’s novel *The Maltese Falcon*, will target low-income, reluctant readers. The goal is to retain 1,800 readers at a variety of venues, with partners including the SSU Department of Liberal Arts, SSU ACCESS programs, St. Paul CME School for Boys, Frank Callen Boys and Girls Club, the City of Savannah, Chatham County Public Schools, Hunter Army Airfield, Barnes & Noble, and Live Oak Public Library.
New Awards, continued

Dr. Chandra Franklin, Professor, Department of Natural Sciences and Mathematics (DNSM), Georgia Department of Natural Resources, Coastal Resources Division, “Early Detection of Marsh Dieback and Characterization of Potential Causes”, $232,600, October 2008 to September 2011. Faculty and students will conduct research to develop the technology to detect early symptoms of marsh dieback, train public volunteers and establish monitoring stations. Students will receive research stipends.

Dr. Shirley Geiger, U.S. Department of Housing and Urban Development (HUD) HBCU Program Grant, "West Savannah Economic Enhancement Project," $700,000, September 2008 to September 2011. The program will establish a micro-business assistance center to provide entrepreneurship training, networking, and mentoring, a family advancement center which will offer courses, workshops, and other services, and a youth advancement center which will provide career counseling, coordinated youth volunteer services, and other services.

Dr. Matthew Gilligan, Professor, Department of Natural Sciences and Mathematics (DNSM), Southern LNG, “Study to Determine any Potential Fisheries Impact of Ballast Water Uptake from Liquefied Natural Gas Vessels that Frequent the Savannah Harbor at the Southern LNG-El Paso, Elba Island Facility in Savannah, GA,” $49,182, September 2008 to September 2010 This grant will provide a graduate student research assistantship.


Dr. Alex Kalu, Professor, Engineering Technology Department, U.S. Department of Education Minority Science Improvement Program (MSEIP) “Expanding Minorities Access to Improved Engineering and Technology Education in Georgia and Low Country South Carolina”, October 2008 to September 2011, $599,857. The program aims to strengthen STEM education at SSU with a focus on engineering and technology, through summer bridge programs, high school science teacher workshops, undergraduate research training and stipends, and other programs.

Dr. Jonathan Lambright, Acting Chair, Engineering Technology Department, National Science Foundation (NSF), A Global Business of Engineering Education Model (BEEM), $100,000, January 2009 to December 2009. This exploratory grant project will develop and implement a pilot business model for engineering education that fosters a better understanding of how teaching, advising, and mentoring impact student retention, graduation, and career selection.


Dr. Asad Yousuf, Professor, Engineering Technology Department, Subaward from Savannah Technical College (NSF), “Articulated Project for the Preparation of Instrumentation and Control Technicians,” $30,400, July 2008 to June 2010. The project will modify and develop new courses, materials, and labs; develop advanced courses in instrumentation and control engineering technology; and purchase materials and supplies for instrumentation and control labs. Project goals are to strengthen pathways to four year programs; improve the recruitment and retention of underrepresented students; and support their graduation as well-qualified graduates with certification in Instrumentation and Control Engineering Technology.
Award Renewals

Ms. Dionne Fears, Director, Educational Talent Search Program, U.S. Dept. of Education, $439,406, September 2008 to August 2009. The program provides academic support to 900 Savannah area middle and high school students with the goal to increase the number of low-income, first generation students entering postsecondary institutions.

Dr. Karnard Jenkins, Director, Student Support Services, U.S. Dept. of Education, $292,205, September 2008 to August 2009. The program provides academic support to 175 low-income, first generation or disabled SSU students to assist them to persist to graduation.

Dr. Jonathan Lambright, subaward from Georgia Institute of Technology (NASA), GA Space Grant Consortium, $20,000, May 2008 - May 2009. This grant provides scholarships and other support to STEM students.

Dr. Johnnie Myers, subaward from McFarland & Associates (Substance Abuse and Mental Health Service Administration, SAMHSA, “Substance Abuse, HIV and Hepatitis Prevention Education,” $85,000, October 2008 to September 2009. This contract, which provides the 4th year of funding, is to conduct outreach/awareness activities to disseminate information on SA/HIV and hepatitis prevention and opportunities for HIV testing, with the goal to reach 1,000 SSU students. It provides stipends for student peer educators.

Dr. Kenneth Sajwan, Professor, DSNM, DOE/EPA, “Environmental Justice, Community Education, and Advisory Project,” $222,750, October 2008 to September 2009. The project provides research training and research stipends to undergraduate students and will include a Teaching Radiation Energy and Technology Workshop.

Ms. Tamara Waterman, Director, Gaining Early Awareness and Readiness for Undergraduate Programs (GEAR UP), U.S. Dept. of Education, $509,600, July 2008 to July 2009. The program provides academic support to approximately 1,200 Savannah area middle school students in order to increase the number of low-income students who are prepared to enter and succeed in postsecondary education.


Recent Applications

The following faculty and administrators have recently submitted applications which are pending before the funding agencies.

Ms. Jacqueline Awe, Director, Counseling and Disability Services, Subaward from Georgia Southern University (U.S. Dept. of Education), “Investigation of the Disproportionality among Postsecondary Minority Students with Disabilities,” $68,097. The project will provide a graduate research assistantship.
**Recent Applications, continued**

**Ms. Emily Bentley**, Homeland Security and Emergency Management Program Director, subaward through University of Louisiana at Lafayette (U. S. Department of Homeland Security), “NIMSAT DHS Center of Excellence for Command, Control, and Interoperability.” The program will support faculty and student research, including internships, to develop, test, and deliver educational program and practitioner trainer content and materials in the area of command, control, and interoperability.

**Dr. Tara Cox**, Assistant Professor, DNSM, U.S. Marine Mammal Commission, “Shrimp Trawls and Bottlenose Dolphins: Effects of a Declining Fishery on Foraging and Social Ecology of a Protected Species,” $48,052, May 2009 to April 2010. The grant will support faculty and student research.

**Dr. Babajide Familoni**, Professor, Engineering Technology, Department of Defense Program for HBCUs, U.S. Army Research Office, “Remote Identification and Classification of Targets by Terahertz Radar”, $572,958, May 2009 to April 2011. The project will support faculty and student (graduate and undergraduate) research to develop a multisensor system for interrogating human targets for physical and physiological attributes.

**Dr. Matthew Gilligan**, NSF Research Experiences for Undergraduates (REU) “Bridge to Research in Marine Sciences,” $291,434, March 2009 to February 2012. This is a summer research program in marine and ocean sciences for ten undergraduate students, targeting underrepresented students, with partners Skidaway Institute of Oceanography (SkIO), Georgia Institute of Technology (GA Tech), and Gray’s Reef National Marine Sanctuary (GRNMS).

**Dr. Kuppuswamy Jayaraman**, Acting Dean, College of Science and Technology (COST), NSF, S-STEM Proposal “Scholarships for Mathematics, Engineering and Engineering Technology Students (SMEETS), $599,043, March 2009 to February 2013. The program aims to increase the number of engineering and technology graduates by providing $5,000 annual scholarships to 26 academically talented, financially needy students in engineering and technology.

**Dr. Cecil Jones**, Associate Professor, DNSM, National Institutes of Health (NIH), Support of Competitive Research (SCORE) Proposal “Thermodynamic Characterization of Phthalocyanines for Photodynamic Therapy,” $246,100, April 2009 to March 2012. The goal of this research is to improve the efficacy of photodynamic therapy, which relies on the photosensitization of singlet oxygen by porphyrin-type molecules, as a treatment for solid tumors by investigating the interaction of singlet oxygen with proteins and membranes.

**Dr. Carol Pride**, Associate Professor, NSF, “Collaborative New GK-12: Building Ocean Literacy in a Coastal Community through Science Education and Estuarine Monitoring,” $2,399,166, May 2009 – May 2014. The program will engage graduate fellows from the Master of Science in Marine Sciences program in science classes of neighboring schools; fellows will receive annual stipends of $30,000/fellow. In addition to collaborating with Savannah-Chatham County public schools, other program collaborators are SkIO and the Oatland Island Wildlife Center.

Recent Applications, continued

**Dr. Asad Yousuf**, Professor, Engineering Technology, NSF Science Talent Expansion Program (STEP) “STEM Regional Education in Engineering and Technology in Georgia and South Carolina”, $1,194,675, April 2009 – March 2014. The program is a collaboration between SSU, Savannah Technical College, and the Technical College of the Low Country with the goal to increase the number of two and four year graduates in STEM disciplines with a focus on engineering and technology, through articulated agreements, summer bridge programs, and math and science learning support.

**Dr. Hua Zhao**, Assistant Professor, DNSM, NIH, SCORE Proposal “Enzyme Stabilization and Activation in Ionic Liquids under Microwave Radiation,” $341,533, April 2009 to March 2012.

**Dr. Hua Zhao**, NSF Research in Undergraduate Institutions (RUI) “Turning Grass into Fuel Ethanol - Fast Enzymatic Hydrolysis of Switchgrass Regenerated from Ionic Liquids,” $163,898, May 2009 to April 2012. The project will investigate factors influencing the enzymatic hydrolysis of regenerated lignocelluloses, to support future improvements in fuel ethanol production. The project will provide research stipends for undergraduate students during the academic year and summer.

**Dr. Hua Zhao**, subaward from the University of Georgia Energy Frontier Research Center (U.S. Dept. of Energy), “Pine Biomaterials and Energy Research Consortium”, $327,081, September 2009 – August 2014. This subaward will support faculty and student research (graduate and undergraduate research assistantships) and education on enzymatic hydrolysis of pine trees.

**Dr. Hua Zhao**, Royal Society of Chemistry (UK), “Enzymatic Esterification of Amino Acids in Ionic Liquids without Derivatization,” £2,000, 2009-2010. This project is to obtain amino acid esters without N-protection via enzymatic reactions in ionic liquids.

Title III-Funded Faculty Development Awards for Sponsored Research and Scholarly Activities

Faculty development awards are available again this year, beginning October 10, 2008, through the Title III sub-activity, “Sponsored Research and Scholarly Activity” (Dr. Chetty, Title III sub-activity director). Awards are available to eligible faculty and academic staff through Summer 2009. Awards can be used for travel, publication, and mini-sabbaticals to support the faculty’s research and scholarly activity and to provide new learning that the faculty will bring back to SSU students and colleagues. Preference is given to early career faculty from CLASS and COBA. The maximum awards are as follows:

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<th>Title III Faculty Development Award Caps</th>
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<tr>
<td>Travel award - $1,000</td>
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<td>Publication costs - $500</td>
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<tr>
<td>Mini-Sabbatical - $2,000</td>
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Faculty Development Awards, continued

To apply, please see the application information on the OSRA website: http://linux.savstate.edu/osra/FacultyDevinfo.pdf

For the travel award, the following four items are required. All forms must be signed by the applicant and chair/dean (as required) and submitted together to Dr. Chetty:

1) Faculty Development Travel Award Application Form (available on OSRA website) http://linux.savstate.edu/osra/FacultyDevAward9-2008.pdf
2) Pre-Travel Title III Travel Form (available on Title III website) http://www.savstate.edu/titleiii/doc/new/Pre-Travel%20form%202007-2012.doc
3) Request for Authority to Travel Form (available through electronic travel procedure).
4) Top-sheet (one page) of conference bulletin providing date/location etc.

If travel costs exceed $1,000, the request for authority form should provide the account number that will cover the balance, and the chair or dean (as applicable) must approve.

For assistance in preparing your application, please contact Nancy Riggs at 353-4981.

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