



Office of Research and Sponsored Programs

Newsletter, June 2009

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ANNOUNCEMENTS

ORSP HAS MOVED TO HOLMES ENGINEERING

The Office of Research and Sponsored Programs has moved to the new Holmes Engineering (HE) building. Please come visit us at our new location in HE, Suite 112.

GRANTS.GOV SUBMISSION GUIDELINES

Due to heavy traffic on the grants.gov server, ORSP has been advised to begin the submissions process to grants.gov two working days prior to the submission deadline. This means ORSP needs your completed proposal **four** days prior to the submission deadline. The Grants.gov icon is shown next to this month's Funding Announcements that require this submission process. If you wish to apply for a grant through grants.gov, contact Beth Rieger at brieger@fgcu.edu.



ORSP WEBSITE

ORSP offers a multitude of services to assist you in preparing and submitting grant applications. Our website at <http://www.fgcu.edu/orsp> provides easy access to the forms, announcements, and other useful materials. We would like to include links to websites associated with the many externally funded projects currently active. Send the URLs to dstremke@fgcu.edu and the link will be added to ORSP's site.

HAVE YOU COMPLETED YOUR GENIUS/SMARTS PROFILE IN INFO ED?

In order to process your proposals, ORSP needs a GENIUS/SMARTS investigator profile in our web-based database system. To edit a Genius profile, use an on-campus computer and go to <http://fgcu-mako.primary.ad.fgcu.edu>. Click on "Login"; then on "Profile"; and proceed to edit the information contained in your profile. Please select keywords that describe your research interests. For further assistance or if you any questions about these InfoEd products please contact Lucia Soria at asoria@fgcu.edu. If you have a GENIUS/SMARTS profile, you can search InfoEd's SPIN Plus from any on-campus computer to find funding. Call Lucia at ext.7020 to send you instructions.

ORSP PROGRAM: STUDENT TRAVEL AWARDS

ORSP supports enrolled FGCU students by providing funds on a first-come, first-serve basis so they can present their scholarly works at conferences. ORSP staff will assist the students with the necessary paperwork, both before and after the travel. Within 30 days of travel completion, all awardees are required to submit a one-page report to ORSP describing the benefit of the award and the overall experience. Awardees are required to participate in Research Day in April. The guidelines and application form are at: <http://www.fgcu.edu/orsp/internalPrograms.html>

ORSP PROGRAM: FACULTY TRAVEL AWARDS

ORSP provides travel awards up to \$1,000 for faculty to attend technical workshops or other related activities for the purpose of increasing chances of obtaining a grant. The trip must result in a proposal submission through ORSP. The application consists of the following items: a 50-100 word abstract of the proposed project; workshop information or the specific purpose of the trip; and an estimated budget for travel expenses. Guidelines and application are on our web page at: <http://www.fgcu.edu/orsp/internalPrograms.html>

DO YOU NEED HELP WITH PROPOSAL PREPARATION?

Please contact Beth Rieger at brieger@fgcu.edu to assist you set up your budget and to complete your proposal/application package. ORSP will then enter the budget information into the sponsor's budget form for you and provide you with a copy to help you prepare the budget justification. ORSP needs to receive your completed proposal package three business days (four business days for grants.gov) before the submission deadline. We ensure all the required forms are attached and that your proposal is compliant with the specifications outlined in the RFP/RFA. Remember that additional forms, releases, and agreements may be required, so make sure [you](#) allow enough time for these documents to be prepared. If ORSP receives the completed proposal with less than the three (or four) business days' lead time, we cannot guarantee that the proposal will be submitted.

CONGRATULATIONS

AWARDS DURING THE LAST MONTH

College of Arts and Sciences			
ZALEWSKI, Janusz	University of Central Florida	Funsat V Project	\$1,250.00
TOLLEY, S. Gregory	Florida Department Environmental Protection Agency / U.S. Department of Commerce, National Oceanic & Atmospheric Administration (NOAA)	Institute of Coastal Watershed Studies partnership with Rookery Bay FY 2007-2008	\$588,212.00
THOMAS, Serge Fugate, David	St. Johns River Water Management District	Nutrient Cycling in Lake Jessup, Florida	\$ 20,500.84
VOLETY, Aswani	South Florida Water Management District	Relationship Between Freshwater Inflow Regimes and Oyster Spat Recruitment in Estero Bay Tributaries	\$ 45,000.00
PARSONS, Michael Tolley, S. Gregory	Sanibel-Captiva Conservation Foundation	CWI-SCCF Expendable Supply Use	\$ 3,000.00

SUBMISSIONS DURING THE LAST MONTH

College of Arts and Sciences			
THOMPSON, Glenn	National Institute of Health	Measuring Autism By Quantifying The Effects of Serotonin On	\$ 182,468.00
TOLLEY, S. Gregory	Florida Department Environmental Protection Agency / U.S. Department of Commerce, National Oceanic & Atmospheric Administration (NOAA)	Institute of Coastal Watershed Studies partnership with Rookery Bay FY 2007-2008	\$ 556,116.00
ALLMAN, Phillip	U.S. Fish and Wildlife Service	Sea Turtle Conservation in Ghana (The Strengthening The Local Capacity to Integrate Research, Education, and Ecotourism into Meaningful Sea Turtle Management Strategies in West Africa)	\$ 10,500.00
ERDMAN, Robert B. Parsons, Michael Savarese, Michael	Florida Institute of Oceanography	Benthic Invertebrate Community Dynamics of SW Florida	\$ 9,300.00
MICHAEL, Scott Isern, Sharon	National Institute of Health	Clinical & Translational Studies of Novel Therapeutics	\$ 150,705.64
VOLETY, Aswani Parsons, Michael Loh, Ai Nig Toll, Ron Cudjoe, Joseph Wasno, Robert	National Oceanic and Atmospheric Administration	Recovery Act Habitat Restoration in Lee Co.	\$1,354,485.00
VOLETY, Aswani	South Florida Water Management District	Relationship Between Freshwater Inflow Regimes and Oyster Spat Recruitment in Estero Bay Tributaries	\$ 45,000.00
THOMAS, Serge Fugate, David	St. Johns River Water Management District	Nutrient Cycling in Lake Jessup, Florida	\$ 20,500.84
Ceilley, David W. Everham, Edwin, III	Johnson Engineering Inc.	Mitigation Park Phase II	\$ 39,600.00

RUMBOLD, Darren Tolley, S. Gregory Lange, Ted Doug, Adams	Department of Interior administered by Everglades National Park, National Park Service	Development of a bioenergetic- based mercury mass balance model for Gray Snapper (<i>Lutjanus griseus</i>)	\$ 129,497.00
VOLETY, Aswani Tolley, S. Gregory Toll, Ronald Rumbold, Darren	National Science Foundation	Planning for the Field Station	\$ 24,070.00
College of Business			
ZALEWSKI, Janusz	Florida Space Grant	Expansion of Internet-Based Embedded Systems Lab to Enhance Courses	\$ 12,480.00
RODRIGUEZ, Walter	Southwest Florida Workforce Development Board, Inc.	WIA Youth Program	\$ 650,000.00
KAKKURI, David	US Department of Agriculture	Rural Business Development In Glades & Hendry Counties	\$ 50,000.00
Academic Media and Technology Services			
JOHNSON, Rick Sklodowski, Paula	National Center for Media Engagement	Engaging Communities & the Economy	\$9,700.00
Academic Affairs			
MOORE, Chief Steven	U.S. Department of Justice	FGCU Cops Hiring 2009	\$187,453.00

FUNDING OPPORTUNITIES

AA TO BS EDUCATION

BRIDGES TO THE BACCALAUREATE PROGRAM



This funding opportunity announcement solicits applications to facilitate the transfer and graduation of students of diverse backgrounds from associate to baccalaureate degree-granting institutions. The program promotes inter-institutional partnerships to improve the quality and quantity of students from underrepresented groups and or health disparities populations being trained as the next generation of biomedical and behavioral research scientists.

The purpose of this funding opportunity is to increase the number of students from groups underrepresented in the biomedical and behavioral research enterprise of the nation and/or populations disproportionately affected by health disparities (hereafter referred to as targeted groups/populations) who successfully complete the baccalaureate degree in biomedical and behavioral sciences. This initiative promotes inter-institutional partnerships between community colleges or other two-year post-secondary educational institutions granting the associate degree and colleges or universities that offer the baccalaureate degree with the goal of developing well-integrated developmental activities that will increase students preparation and skills as they advance academically in the pursuit of the baccalaureate and subsequently more advanced degrees in biomedical and behavioral sciences.

The total project period for an application submitted in response to this funding opportunity may not exceed five years. Direct costs will vary with the scope of the research education program proposed.

Each proposed Bridges to the Baccalaureate program must consist of a partnership/consortium composed of no more than four institutions (unless strongly justified otherwise), including the applicant institution. One must be an institution that offers the associate degree as the only undergraduate degree in the biomedical and behavioral sciences within the participating departments. Another institution must be a college or university granting the baccalaureate degree in biomedical and behavioral sciences.

An applicant/partner institution may participate in only one Bridges to the Baccalaureate partnership. Those interested in participating in a partnership/consortium should submit a Letter of Intent (LOI) to ORSP (Attn: Donna Stremke, dstremke@fgcu.edu) by July 3, 2009. If more than one LOI is received, an internal selection process may be necessary.

Applications are due to the NIH by **September 18, 2009**.

<http://grants.nih.gov/grants/guide/pa-files/PAR-07-411.html>

COMMUNITY DEVELOPMENT

COMPASSION CAPITAL FUND DEMONSTRATION PROGRAM

The Administration for Children and Families within the U.S. Department of Health and Human Services announces that applications will be accepted for new grants to deliver capacity building services to faith-based and community organizations through the provision of training, technical assistance, and sub-awards.

Intermediary organizations will assist faith-based and community organizations with capacity building activities in four critical areas:

1. leadership development
2. organizational development
3. program development, and
4. community engagement

Capacity building activities are designed to increase an organization's sustainability and effectiveness, enhance its ability to provide social services, and create collaborations to better serve those most in need.

Address to Request Application Package:

Eduardo Hernandez
Administration for Children and Families
Office of Community Services Operation Center
Compassion Capital Fund Demonstration Program
1515 Wilson Boulevard, Suite 100
Arlington, VA 22209
Phone: (800) 281-9519
Email: OCS@lcgnet.com

Deadline: June 22, 2009

<http://www.acf.hhs.gov/grants/open/HHS-2009-ACF-OCS-EJ-0009.html>

CRIMINAL JUSTICE

CRIMINAL JUSTICE RESEARCHER-PRACTITIONER PARTNERSHIPS

NIJ intends to support research in three major areas related to new and ongoing criminal justice researcher-practitioner collaborations. NIJ has demonstrated previous interest and support for criminal justice researcher-practitioner partnerships and is interested in furthering these partnerships through intentional activities to capture and build upon previous work and provide opportunities for creating, enhancing, and improving researcher-practitioner partnerships. NIJ is committed to providing opportunities that link research and practice that will ultimately lead to better criminal justice policy, practice, and research. Applications are sought in the following three areas:

Past and Current Accounts of Criminal Justice Researcher-Practitioner Partnerships.

NIJ is interested in capturing past, current, and ongoing criminal justice researcher-practitioner partnerships through a series of written articles that incorporate electronic media. The articles and electronic media accounts will be used to inform the development of an NIJ toolkit focusing on assessment, development, and maintenance of these collaborations. Using case studies, interviews, and previous literature, the series of articles should address the following areas in addition to topics the researcher thinks are relevant:

- Assessing the need for a criminal justice researcher-practitioner partnership.
- Issues in the development of collaborative criminal justice research partnerships including obstacles encountered and solutions used.
- Balancing the needs of researchers and practitioners throughout the process.
- Methods for disseminating and translating results useful and beneficial to both parties.
- Sustainability of partnerships.

Junior Faculty Grant Program to Promote Criminal Justice Researcher-Practitioner Partnerships

NIJ is interested in developing a Junior Faculty Grant Program that will support new and ongoing criminal justice researcher-practitioner partnerships pairing a knowledgeable senior faculty member with a new or junior Ph.D. faculty member. Proposed research must be led by the junior faculty member and include a mentorship from the senior faculty member who has extensive experience conducting and completing successful criminal justice research and evaluation studies in collaboration with criminal justice practice-based organizations. The two faculty members must be co-principal investigators on the proposed study and submit the application through their college or university. The application must provide a detailed description of what the mentorship will entail.

Proposed research studies should be practice- or policy-based with a criminal justice focus that can include but is not limited to research on: law enforcement, corrections, courts with criminal jurisdiction, crime victims, or offenders. Funding is intended in part to develop the junior faculty member's skills and interest in developing and sustaining criminal justice researcher-practitioner partnerships.

Criminal Justice Researcher-Practitioner Fellowship Placement Program

NIJ is interested in supporting collaborative partnerships with criminal justice practice organizations through the placement of a researcher within their organization. The researcher will work with the organization to develop and conduct needed criminal justice research and/or evaluation. Exposing the two fields to one another is expected to lead to a better understanding of the roles and relations of research, practice, and policy. It is anticipated that this program will establish new criminal justice researcher-practitioner partnerships that can continue throughout the career of the researcher and encourage criminal justice practice organizations to seek out future partnerships to inform their practice and policy decisions. Additionally, it should provide a realistic overview of the day-to-day challenges faced by criminal justice researchers and practitioners.

Placement organizations can include law enforcement agencies; courts with criminal jurisdiction; corrections agencies including parole, probation, and reentry services; crime victim services; and other organizations that relate directly to criminal justice.

In addition to the final technical report, the researcher and placement organization must agree to co-author a report describing the placement and relevant obstacles and solutions. Applications must include a signed written agreement between the research and practice organizations. The written agreement should, at a minimum, outline the roles of the researcher(s) and practitioners; provide a statement of work; detail partnership activities such as meetings; detail a dissemination plan; and address onsite accommodation for the researcher(s). The researcher can hold a terminal research degree or be currently working towards a terminal research degree. Researchers who have not yet acquired a terminal research degree should submit as a co-principal investigator with a more senior researcher. The researcher must provide proof of enrollment in a doctoral program, ABD status, or Ph.D. degree.

Awards for the Placement Program may support tuition and student fees for researchers who have not yet acquired a terminal research degree. Priority consideration will be given to applications that include an onsite placement.

Deadline: July 20, 2009

<http://www.ncjrs.gov/pdffiles1/nij/sl000884.pdf>

CRIMINAL JUSTICE ELECTRONIC CRIME TECHNOLOGY CENTER OF EXCELLENCE

NIJ seeks qualified applicants to establish and operate a Criminal Justice Technology Center of Excellence to support its research, development, testing, and evaluation (RDT&E) process in the areas of electronic crime and digital evidence. The Center of Excellence will support the NIJ RDT&E process by providing scientific and technical support to NIJ's research and development efforts; supporting the demonstration, transfer, and adoption of appropriate technology into practice by law enforcement and other criminal justice agencies; assisting in the development and dissemination of technology guidelines and standards; and providing technology assistance, information, and support to law enforcement and other appropriate criminal justice agencies.

Deadline: June 19, 2009

<http://www.ncjrs.gov/pdffiles1/nij/sl000874.pdf>

CRIMINAL JUSTICE TECHNOLOGY INFORMATION AND SENSOR SYSTEMS CENTER OF EXCELLENCE

NIJ seeks qualified applicants to establish and operate a Criminal Justice Technology Center of Excellence to support its research, development, testing, and evaluation (RDT&E) process in information and sensor systems. The Center will provide testing, evaluation, and technology assistance in information technology, geospatial analysis, and sensor systems. The Center will support the NIJ RDT&E process by providing scientific and technical support to NIJ's research and development efforts; supporting the demonstration, transfer, and adoption of appropriate technology into practice by law enforcement, corrections agencies, courts, and related criminal justice agencies; assisting in the development and dissemination of technology guidelines and

standards; and providing technology assistance, information, and support to law enforcement and other appropriate criminal justice agencies.

Deadline: June 19, 2009

<http://www.ncjrs.gov/pdffiles1/nij/sl000873.pdf>

CRIMINAL JUSTICE TECHNOLOGY REGIONAL CENTERS

NIJ's Office of Science and Technology operates and supports National Law Enforcement and Corrections Technology Centers including regional centers. Regional centers serve as the initial point of entry for criminal justice practitioners to the NLECTC System and its resources. They are the NLECTC System's principal means of outreach to the practitioner community. NIJ seeks applications for funding to transform the current regional centers structure to make it more sustainable and effective in performing that outreach mission. For the purposes of this solicitation, criminal justice agencies are defined to include law enforcement and corrections agencies, public crime laboratories, and public agencies involved in the criminal judicial process.

Deadline: June 19, 2009

<http://www.ncjrs.gov/pdffiles1/nij/sl000881.pdf>

EVALUATION OF THE STATEWIDE AUTOMATED VICTIM INFORMATION AND NOTIFICATION

The Statewide Automated Victim Information and Notification (SAVIN) Program Is intended to protect crime victims from further victimization and help ensure their legal rights are upheld by providing access to registration for timely and accurate notification about any changes to the status of their offender (e.g., trial dates and times, inmate relocation, offender release). As of Fiscal Year 2008, 33 States and Puerto Rico have received funding to develop, implement, and/or enhance their notification system; however, notification features differ from State to State and sometimes from county to county. This solicitation seeks applications for support of a national evaluation including State-level analyses that identify strategies for developing, implementing, and enhancing a victim notification system that fully addresses the needs and concerns of victims.

Deadline: July 20, 2009

<http://www.ncjrs.gov/pdffiles1/nij/sl000883.pdf>

SUPPORTING THE REDESIGN OF THE NATIONAL CRIME VICTIMIZATION SURVEY

The National Crime Victimization Survey (NCVS) was instituted in 1972 to produce national estimates of the levels and rates of crimes of violence and theft, including crime not reported to police departments. Along with the FBI's Uniform Crime Reporting Program, the NCVS constitutes a key component of our Nation's system to measure the extent and nature of crime in the United States.

The NCVS is conducted for the Bureau of Justice Statistics (BJS) by the U.S. Census Bureau at a sample of housing units and group quarters in the United States and the District of Columbia selected using a stratified, multi-stage cluster design. In 2007, the NCVS sample was comprised of about 83,000 sample housing units with interviews completed in about 75,000 of these

households. The sample excludes persons who are crews of vessels, in institutions, members of the armed forces living in military barracks, and the homeless.

The NCVS produces estimates of a set of violent and property offenses against people age 12 and older and their households. The survey utilizes a two-stage process to determine whether survey respondents have been victims of crime during the reference period and to collect information about the victimization uncovered during the screening process. A set of questions screens for crime victimizations committed against the household or against an individual household member during the 6-month reference period, and a crime incident report is completed for each time the respondent was victimized by one of the measured offenses.

For information about the NCVS sample design and methodology, see *Criminal Victimization in the United States-Statistical tables* at: <http://www.ojp.usdoj.gov/bjs/abstract/cvusst.htm>

While the survey's core methodology has been validated over the past three decades the viability of the survey and its ability to meet its original goals are threatened by increasing costs during a period of budget constraints. To ensure the survey continues to be a viable assessment of the impact of crime on its victims, BJS sponsored an expert panel study, carried out by the National Research Council of the National Academies, to review the survey's current methodology and provide recommendations as to how the NCVS might be redesigned. The panel's initial recommendations are contained in: *Studying Victims: Options for Conducting the National Crime Victimization Survey*, http://www.nap.edu/catalog.php?record_id=12090.

The research proposed in this solicitation responds to one or more of the panel's recommendations. Ultimately it is the goal of the BJS to redesign the NCVS to improve its methodology, introduce economies towards ensuring its sustainability, and better meet the challenges of measuring the extent, characteristics and consequences of criminal victimization as it exists today or may evolve in the future.

One of the most important components of the NCVS methodology is the set of questions used to screen for the occurrence of the offenses measured by the survey. The crime screening questions now used were implemented in 1992 after an extensive redesign effort. Applicants applying for funds under this announcement should analyze the screening questions to examine how effective each question is in eliciting recall of victimization. The application should provide a synopsis of the applicant's background in this field which supports their expertise with the issue, a complete explanation of the methodology to be employed, and how conclusions and recommendations will be framed.

BJS anticipates making one award for a 16-month period under this solicitation, with an award date on or after October 1, 2009.

Deadline: July 14, 2009

<http://www.ojp.gov/bjs/pub/pdf/mrsrncvssqsol.pdf>

PREDICTIVE POLICING ANALYTIC AND EVALUATION RESEARCH SUPPORT

NIJ's Office of Research and Evaluation (ORE) is requesting proposals to provide analytic and evaluation support, as well as independent evaluation services to applicants selected for funding in the planning phase of the OST Predictive Policing program. Predictive policing includes strategies and tactics that improve the situational awareness of law enforcement concerning individuals or locations before criminal activity occurs. In a separate solicitation entitled, "Predictive Policing Demonstration and Evaluation Program," the NIJ Office of Science and Technology is seeking applications from State and local law enforcement agencies or regional law enforcement information centers to conduct planning activities leading to the demonstration of predictive policing methods in practice. Applicants selected under the OST Predictive Policing Program solicitation will be required to collaborate with program evaluators to design and monitor the predictive policing models as they are developed, implemented, and rigorously evaluated.

Deadline: July 13, 2009

<http://www.ncjrs.gov/pdffiles1/nij/sl000879.pdf>

PREDICTIVE POLICING DEMONSTRATION AND EVALUATION PROGRAM

NIJ seeks qualified applicants to develop and demonstrate predictive policing models that can be subjected to rigorous evaluation for criminal justice outcomes and impacts. Through a companion solicitation, NIJ will seek qualified applicants to act as an independent, multisite program evaluator for this effort with which successful applicants will be expected to collaborate as a condition of award.

Predictive policing includes strategies and tactics that improve the situational awareness of law enforcement concerning individuals or locations before criminal activity occurs. The efficacy of these novel strategies and tactics can be measured in terms of traditional policing performance metrics, and in terms of broader social and justice outcomes and impacts. Successful applicants will be expected to demonstrate an integral (either in-house or as part of their team), competent analytical and evaluation research support capability to design and monitor the predictive policing models as they are developed and implemented. Demonstrations must be structured so that objective evaluation methods can be applied from the beginning of the project to determine short- and/or long-term outcomes. To facilitate this program, NIJ is funding grants to interested law enforcement agencies or regional law enforcement compacts to support the planning, demonstration, and evaluation of specific predictive policing interventions in their jurisdiction or jurisdictions. Applicants and/or their partners will be expected to contribute resources to this effort. An applicant's contribution might be in-kind funding, for example facility costs, or leveraging existing information infrastructure. As another example, an applicant may team with a vendor that supplies "free" hardware and/or software for the purpose of demonstrating and evaluating its product(s). (See, for reference, the "Predictive Policing Analytic and Evaluation Research Support" solicitation.)

Deadline: June 15, 2009

<http://www.ncjrs.gov/pdffiles1/nij/sl000877.pdf>

EDUCATIONAL IMPROVEMENTS

ENGAGED LEARNING, CIVIC DEVELOPMENT AND STUDENT WELL-BEING

Proposals are requested for projects during 2010-2012 that address one of the two following emphases:

- 1) Institutional efforts to examine, learn from and to make sustainable initiatives that foster the gains from the relationship between college students' civic development and their psychosocial well-being; and
- 2) institutional ability to demonstrate the evaluation and sustainability of initiatives that address the increasing opportunities for students to have transformative educational experiences and for institutions to transform priorities and practices so as to make such experiences both expected and provided.

In this latter category we anticipate, but do not require, that the institution has already taken steps made possible by support from Bringing Theory to Practice and the Leadership Coalition grants.

Deadline: March 1, 2010

http://www.aacu.org/bringing_theory/documents/2009RFP.pdf

IES EDUCATION RESEARCH AND DEVELOPMENT CENTER PROGRAM

Under the Education Sciences Reform Act of 2002, the Institute of Education Sciences supports national research and development centers (R&D Centers) that are intended to contribute significantly to the solution of education problems in the United States by engaging in research, development, evaluation, and national leadership activities aimed at improving the education system, and ultimately, student achievement. Each of the R&D Centers conducts a focused program of education research in its topic area. In addition, each Center conducts supplemental research within its broad topic area and provides national leadership in advancing evidence-based practice and policy within its topic area.

For the FY 2010 Education Research and Development Center competition, the Institute invites applications for three National Education Research and Development Center topics.

(a) Under the topic of innovation in education reform, the Institute invites applications for a research and development center focused on effective schools – **National Research and Development Center on Scaling Up Effective Schools.**

(b) Under the topic of assessment, standards, and accountability research, the Institute invites applications for a research and development center focused on the academic curricular area of mathematics – **National Research and Development Center on Mathematics Standards and Assessment.**

(c) For the national goal of improving science, technology, engineering, and mathematics (STEM) education, the Institute invites applications for a research and development center on improving mathematics instruction – **National Research and Development Center on Cognition and Mathematics Instruction.**

Deadline: August 3, 2009

http://ies.ed.gov/funding/pdf/2010_84305C.pdf

IES EVALUATION OF STATE AND LOCAL EDUCATION PROGRAMS AND POLICIES

In this announcement, the Institute of Education Sciences (Institute) invites applications for research projects that will contribute to its research program in Evaluation of State and Local Education Programs and Policies. For the FY 2010 competition, the Institute will consider only applications that meet the requirements for Part II Evaluation of State and Local Education Programs and Policies and Part III Requirements of the Proposed Research. Full information is found at the web site http://ies.ed.gov/funding/pdf/2010_84305E.pdf

Separate announcements are available on the Institute's website that pertain to the other research and research training grant programs funded through the Institute's National Center for Education Research and to the discretionary grant competitions funded through the Institute's National Center for Special Education Research (<http://ies.ed.gov/>). All of these funding announcements are available on the Institute's website (<http://ies.ed.gov/funding>).

Deadline: August 3, 2009

http://ies.ed.gov/funding/pdf/2010_84305E.pdf

ENVIRONMENTAL STUDIES

WATER INFRASTRUCTURE SUSTAINABILITY

The U.S. Environmental Protection Agency, as part of its Science to Achieve Results program, seeks new and innovative research applications that link opportunities to advance public health protection with improvements in the condition and function of the water infrastructure. For purposes of this RFA, the water infrastructure includes centralized and decentralized systems that convey, store, and distribute potable and non-potable water and collect and manage municipal and industrial wastewater, stormwater, and on-site rainwater.

Innovation can take the form of wholly new applications or applications that build on existing knowledge and approaches for new uses. The focus of the solicitation is on improving the effectiveness of the water infrastructure for protecting public health. Projects should clearly demonstrate an integrated, multi-disciplinary approach that leads to advances in design, operation, and management of the water infrastructure and should directly tie those advances to public health protection in conjunction with improving water efficiency and reducing energy requirements.

For a regular award, up to a total of \$600,000, including direct and indirect costs, with a maximum duration of 4 years. Early career awards are limited to a total of \$300,000, including direct and indirect costs, with a duration of 4 years. Cost-sharing is not required.

Deadline: August 17, 2009

http://www.epa.gov/ncer/rfa/2009/2009_star_water_infrastructure.html

NATIONAL INTEGRATED WATER QUALITY PROGRAM

USDA CSREES requests applications for the Integrated Research, Education, and Extension Competitive Grants Program—Conservation Effects Assessment Project for FY 2009 to develop research and extension projects aimed at improving the watershed health of grazing land watersheds across the Nation. Grazing land is a



collective term used by the USDA-Natural Resources Conservation Service (NRCS) for rangeland, pastureland, grazed forestland, native and naturalized pasture, hay land, and grazed cropland
<http://www.nrcs.usda.gov/TECHNICAL/NRI/ceap/grazing.html>

CEAP is a joint effort with USDA-NRCS. In FY 2009, CSREES anticipates that approximately \$2 million will be available to support CEAP projects, including funds contributed by USDA-NRCS.
Deadline: July 1, 2009
http://www.csrees.usda.gov/funding/rfas/pdfs/09_conservation_effects.pdf

FORESTRY RESEARCH PROGRAM

The purpose of this McIntire-Stennis Cooperative Forestry Research Program is to increase forestry research in the production, utilization, and protection of forestland; to train future forestry scientists; and to involve other disciplines in forestry research. FY 2009 funding should also address the high priority issues described in the current M/S Strategic Plan: “Sustaining Healthy and Productive Forests: An Investment in America’s Competitive Position in the Global Marketplace”:

- 1) science of integration;
- 2) forest ecosystem services;
- 3) human attitudes and behaviors;
- 4) conflict, uncertainty, and decision-making;
- 5) technological advancements, productivity, and forest applications; and
- 6) urban ecosystems.

Deadline: June 24, 2009
<http://apply07.grants.gov/apply/opportunities/instructions/oppUSDA-CSREES-MSCFR-002299-cfda10.202-instructions.pdf>

NOAA COMMUNITY-BASED RESTORATION PROGRAM

The partnership requests proposals for local efforts to accomplish meaningful on-the-ground restoration of marine, estuarine and riparian habitats, including salt marshes, seagrass beds, mangrove forests, and freshwater habitats important to anadromous fish species (fish like salmon and striped bass that migrate to and from the sea). Emphasis is on using a hands-on, grassroots approach to restore fisheries habitat across coastal America, the Great Lakes region, and U.S. Territories of the Caribbean.

Projects must result in on-the-ground habitat restoration, clearly demonstrate significant benefits to marine, estuarine or anadromous fisheries resources, particularly sportfish, and must involve community participation through an educational or volunteer component tied to the restoration activities. Applicants are encouraged to incorporate the participation of NOAA staff to strengthen the development and implementation of sound restoration projects.

Projects in the Great Lakes must restore habitat for diadromous sportfish such as lake sturgeon, walleye, and brook trout in the Great Lakes and applicable tributaries. Projects focusing on the management or removal of aquatic invasive/nuisance species will not be considered.

The following activities will not be considered under partnership awards:

- (1) Activities that constitute legally required mitigation for the adverse effects of an activity regulated or otherwise governed by local, state or federal law;
- (2) Activities that constitute restoration for natural resource damages under federal, state or local law; and
- (3) Activities that are required by a separate consent decree, court order, statute or regulation.

Deadline: June 22, 2009

<http://www.fishamerica.org/grants/documents/FAF-NOAA2009RFP.pdf>

HEALTH SCIENCES

DIABETES BASIC SCIENCE AWARD

These awards provide grant support to both new and established investigators. Applications will be considered in any area that is relevant to the etiology or pathophysiology of diabetes and its complications. Awards are up to \$115,000 per year for up to three years. Up to 20% of total costs for PI salary support and up to 15% for indirect costs may be requested.

Deadline: July 15, 2009

http://professional.diabetes.org/Diabetes_Research.aspx?typ=18&cid=64376

POSTDOCTORAL FELLOWSHIPS

The *Robert Wood Johnson Foundation Health & Society Scholars* program provides two years of support to postdoctoral scholars at all stages of their careers to build the nation's capacity for research and leadership to address the multiple determinants of population health and contribute to policy change. The program is based on the principle that progress in the field of population health depends upon multidisciplinary collaboration and exchange. Its goal is to improve health by training scholars to:

- investigate the connections among biological, genetic, behavioral, environmental, economic and social determinants of health; and
- develop, evaluate and disseminate knowledge and interventions that integrate and act on these determinants to improve health.

The program is intended to produce leaders who will change the questions asked, the methods employed to analyze problems and the range of solutions to reduce population health disparities and improve the health of all Americans.

Deadline: October 2, 2009

<http://www.rwjf.org/applications/solicited/cfp.jsp?ID=20741>

FOREIGN LANGUAGES ABROAD



The Office of Academic Exchange Programs of the Bureau of Educational and Cultural Affairs announces an open competition for two or more assistance awards for the 2010 Critical Language Scholarships for Intensive Summer Institutes, which provide foreign language instruction overseas for American undergraduate and graduate students. Public and private non-profit organizations, or consortia of such organizations, may submit proposals to cooperate with the Bureau in the administration and implementation of one or both of the two components available under this competition. Each component requires a separate proposal submission.

It is anticipated that the total amount of funding available for all FY 2010 administrative and program costs to support both program components A and B, including all language groupings, outlined below will be \$10,000,000. Applicant organizations bidding on two or more language groups must submit a separate proposal not exceeding \$350,000 for the recruitment and selection of all participants (Component A). Applicant organizations may submit proposals requesting funds not exceeding \$9,650,000 to implement the CLS institutes between June and August 2010 (Component B).

Deadline: July 10, 2009

<http://edocket.access.gpo.gov/2009/pdf/E9-12416.pdf>

STUDYING ARABIC, CHINESE AND RUSSIAN LANGUAGES ABROAD



The Teacher Exchange Branch in the Office of Global Educational Programs at the Bureau of Educational and Cultural Affairs, U.S. Department of State, announces an open competition for a program that will enable U.S. language teachers to study Arabic, Chinese (Mandarin) and Russian in an Arabic-speaking country, the People's Republic of China, and Russia respectively during the summer of 2010. Public and private non-profit 501(c)(3) organizations may submit proposals to cooperate with the Bureau in the administration of the program. Applicant organizations should design and implement three summer institutes for a minimum total of 25 teachers — fifteen to study Chinese (Mandarin), and five each to study Arabic and Russian. These summer institutes should offer intensive, structured classroom instruction as well as less formal interactive learning opportunities through a comprehensive exchange experience that primarily emphasizes language learning.

Deadline: July 7, 2009

<http://edocket.access.gpo.gov/2009/pdf/E9-11949.pdf>

HISTORIC PRESERVATION SPECIAL CATEGORY GRANTS

The cycle for the Fiscal Year 2011 Special Category grant applications is scheduled to begin July 1, 2009. Due to the current economic environment, however, a second rollover of Special Category applications that were submitted in 2008 is under consideration. This rollover, should it be recommended by the Florida Historical Commission, would result in the cancellation of the currently scheduled Special Category cycle (July 1 – August 31, 2009), and new applications would

not be accepted this year. Only updated 2008 rollover applications would be eligible. A decision is expected on July 1. Please check this website or call the Bureau of Historic Preservation at 850-245-6333 after that date for current information on the 2011 Special Category application procedure.

Deadline: August 31, 2009

<http://dhr.dos.state.fl.us/grants/special/>

FLORIDA HUMANITIES COUNCIL MAJOR GRANT

Any non-profit organization or public institution may apply for a Major Grant to hold a public program on any humanities topic. In the past, grants have been awarded to libraries, civic groups, universities, colleges, museums, historical societies, theaters, and religious organizations.

Projects may employ a variety of formats: workshops, lecture/discussion series, symposia, reading/discussion groups, historical dramatizations, interpretive exhibits, multi-media, etc. Media projects (exhibits, digital projects, radio) are subject to additional guidelines. Organizations applying for a Major Grant must supply a 100% sponsor match, in cash and/or in-kind.

Download the instructions and application on the FHC website. Preliminary applications are not required but they do provide applicants with an opportunity for staff feedback prior to the final deadline. E-mail preliminary applications to the Grants Director at slockwood@flahum.org.

Deadline: July 30, 2009

<http://www.flahum.org/index.cfm/do/Grants.major/major.htm>

THE ARTS ON RADIO AND TELEVISION

Through this category the National Endowment for the Arts seeks to make the excellence and diversity of the arts widely available to the American public through nationally distributed television and radio programs.



Grants are available to support the development, production, and national distribution of radio and television programs on the arts. Priority will be given to artistically excellent programs that have the potential to reach a significant national audience, regardless of the size or geographic location of the applicant organization. Only programs of artistic excellence and merit, in both the media production and the subject, will be funded.

Projects may include high profile multi-part television and radio series, single documentaries, performance programs, or arts segments for use within an existing series. Programs may deal with any art form (e.g., visual arts, music, dance, literature, design, theater, musical theater, opera, film/video/audio art, folk & traditional arts). Programs targeted to children and youth are welcome.

All phases of a project -- research and development, production, completion and distribution costs -- are eligible for support as are ancillary activities intended to increase public knowledge, understanding, and access to the arts. Such activities might include the use of related radio and television programming; interactive Web sites; DVDs; streaming, video-on-demand, and

podcasts; other digital applications; educational material; collaborations with arts organizations, educators, and community groups; video/audio distribution to schools, libraries, and homes; and other public outreach activities.

Deadline: September 3, 2009. NEH strongly recommends that you submit at least **10 days in advance of the deadline** to give yourself ample time to resolve any problems that you might encounter.

<http://www.arts.gov/grants/apply/RadioTV/grant-program-description.html>

FRENCH FILM FESTIVAL AT FGCU

The Tournées Festival was conceived to encourage schools to begin their own self-sustaining French film festivals. Since its inception, the program has partnered with hundreds of universities and made it possible for more than 300,000 students to discover French-language films. *The Tournées Festival* distributes over \$200,000 in grants annually.

Schools that show films in 35mm will continue to receive a grant of \$2,300 to show their five films (\$460 per film). We hope that this increased amount will be helpful to cover additional expenses incurred in presenting 35mm prints and that it will encourage more universities to show films in that format. Schools that show films on DVD will continue to receive a grant of \$1,800 to show their five films (\$360 per film).

Schools that show a combination of DVD and 35mm prints will receive a grant corresponding to each film's format.

We are delighted to be able to propose a varied selection of films, a wide array of genres, many French co-productions, and films by directors ranging from unique new voices to established figures. We hope you will be inspired by the selection of films and we look forward to receiving your application.

The program is made possible with the generous support of the French Ministry of Foreign and European Affairs, the Centre National de la Cinématographie, the Grand Marnier Foundation, the Florence Gould Foundation, highbrow entertainment and the Franco-American Cultural Fund (Directors Guild of America, Motion Picture Association, SACEM & Writers Guild of America).

Deadlines: June 30, 2009 for those who wish to program films in the fall semester, and October 1, 2009 for those scheduling their films in the spring semester.

<http://www.facecouncil.org/tournees/index.html>

RECOVERY ACT PROGRAMS

MEASUREMENT SCIENCE AND ENGINEERING FELLOWSHIP PROGRAM



The primary program objectives of the NIST Recovery Act Measurement Science and Engineering Fellowship Program are:

1. To provide opportunities for scientists and engineers in training to perform research in broad areas of measurement science at NIST through research fellowships called Research Training Fellowships. Research Training Fellowships will be offered to qualified undergraduate students and graduate students at U.S. universities and colleges, and to postdoctoral researchers, in fields of science and engineering that contribute to NIST's measurement science programs.
2. To provide opportunities for practicing scientists and engineers in the public and private sectors to perform research in broad areas of measurement science at NIST through research fellowships called Senior Research Fellowships. Senior Research Fellowships will be offered to qualified scientists and engineers working at U.S. private firms, U.S. non-profit organizations, U.S. universities and colleges, and other organizations in fields of science and engineering that contribute to NIST's measurement science programs. NIST intends this financial assistance program to address both types of opportunities listed above through a single cooperative agreement, or through more than one cooperative agreement.

Through the cooperative agreement(s), the program will advance purposes established in Section 3 of the Recovery Act by:

- creating jobs,
- promoting economic recovery,
- providing investments needed to increase economic efficiency by spurring technological advances in science, and
- by making investments in areas of research that will provide long-term economic benefits.

NIST performs a broad range of research, measurements, modeling, and other activities to support its broad measurement science and engineering programs in ten operating units comprising the NIST laboratories:

1. Technology Services (TS, www.ts.nist.gov),
2. NIST Center for Neutron Research (NCNR, www.ncnr.nist.gov),
3. NIST Center for Nanoscale Science and Technology (CNST, www.cnst.nist.gov),
4. Electronics and Electrical Engineering Laboratory (EEEL, www.eeel.nist.gov),
5. Manufacturing Engineering Laboratory (MEL, www.mel.nist.gov),
6. Chemical Science and Technology Laboratory (CSTL, www.cstl.nist.gov),
7. Physics Laboratory (PL, www.physics.nist.gov),
8. Materials Science and Engineering Laboratory (MSEL, www.msel.nist.gov),
9. Building Fire and Research Laboratory (BFRL, www.bfrl.nist.gov), and
10. Information Technology Laboratory (ITL, www.itl.nist.gov).

Descriptions of NIST measurement science and engineering programs can be found at the Websites for each of the laboratories and at www.nist.gov .

A recipient of a NIST Recovery Act Measurement Science and Engineering Fellowships Program award will work jointly with NIST to publicize NIST measurement science opportunities. A recipient will identify candidates for fellowships from any U.S. educational institution or other entities such as a non-profit or for-profit organization. NIST and the recipient will collaborate in selecting Fellows for particular research opportunities based on cooperatively developed criteria. The recipient will provide all stipends, benefits, administrative support, and other expenses associated with the fellowship using the funds from the cooperative agreement. A recipient may cooperate with any U.S. institution of higher education and other organizations to support Fellows to collaborate with NIST programs in Gaithersburg, Maryland, Boulder, Colorado or Charleston, South Carolina. Any participating undergraduate or graduate student must also be enrolled in an academic program acceptable to both the recipient and to NIST. The recipient is responsible for ensuring the Fellows are available to work on-site at NIST programs in Gaithersburg, Maryland, Boulder, Colorado or Charleston, South Carolina. Candidates for fellowships through these programs should be able to make significant contributions to NIST measurement science and engineering programs, collaborating with NIST scientists and engineers at the NIST Laboratories, commensurate with the level of training and experience of the type of fellowship. For example, Senior Research Fellows are expected to perform at the level of an independent researcher working with minimal guidance from NIST staff, while undergraduate Research Training Fellows will require substantial direct guidance and training from NIST staff.

Deadline: July 27, 2009

<http://www07.grants.gov/search/search.do?&mode=VIEW&flag2006=false&oppId=46060>

MEASUREMENT SCIENCE AND ENGINEERING RESEARCH GRANTS PROGRAM

The National Institute of Standards and Technology (NIST) will provide grants and cooperative agreements for measurement science and engineering research in the following six focus areas of critical national importance:



1. energy,
2. environment and climate change,
3. information technology/cybersecurity,
4. biosciences/healthcare,
5. manufacturing, and
6. physical infrastructure, with priority funding in areas of special interest to NIST as described below.

The program is intended to advance the state of knowledge and practice in these areas of critical national importance, in support of NIST's mission to promote U.S. innovation and industrial competitiveness by advancing measurement science, standards, and technology in ways that enhance economic security and improve our quality of life. The program will advance purposes established in Section 3 of the Recovery Act by:

- creating jobs,
- promoting economic recovery,

- providing investments needed to increase economic efficiency by spurring technological advances in science and health,
- making investments in research areas such as environmental protection and infrastructure that will provide long-term economic benefits, and
- helping to stabilize state and local government budgets, in order to minimize and avoid reductions in essential services and counterproductive state and local tax increases.

Competitive proposals will also result in achieving commencement of activities as quickly as possible consistent with prudent management. Applicants may propose projects that include collaboration between scientific staff and NIST to help advance these program objectives.

Deadline: July 13, 2009.

<http://www07.grants.gov/search/search.do?&mode=VIEW&flag2006=false&oppId=46063>

TEACHER QUALITY PARTNERSHIP GRANTS PROGRAM



The purposes of the Teacher Quality Partnership (TQP) Grants Program are to:

1. Improve student achievement;
2. improve the quality of new and prospective teachers by improving the preparation of prospective teachers and enhancing professional development activities for new teachers;
3. hold teacher preparation programs at institutions of higher education (IHEs) accountable for preparing highly qualified teachers; and
4. recruit highly qualified individuals, including minorities and individuals from other occupations, into the teaching force.

More specifically, the TQP Grants Program seeks to improve the quality of new teachers by creating partnerships among IHEs, high-need school districts (local educational agencies (LEAs)) their high-need schools, and/or high-need early childhood education (ECE) program. These partnerships would create model teacher preparation programs at the pre-baccalaureate level through the implementation of specific reforms of the IHE's existing teacher preparation programs, and/or model teaching residency programs for individuals with strong academic and/or professional backgrounds but without teaching experience.

The TQP Grants Program may also support school leadership programs to train superintendents, principals, ECE program directors, and other school leaders in high-need or rural LEAs. Applications for grants under the Teacher Quality Partnership must be submitted electronically using e-Application. Please contact Donna Stremke in ORSP (dstremke@fgcu.edu) to download an application package.

Deadline: July 23, 2009

<http://www.grants.gov/search/synopsis.do;jsessionid=ZqWGKm3J1HwlyGs0XDgrVXb1Cz1pm22VC7L97YQykfD41nznTGSx1868402889>

HIGH PENETRATION SOLAR DEPLOYMENT



The objectives of this Department of Energy program are to:

- 1) develop the needed modeling tools and database of experience with high penetration scenarios of PV on a distribution system,
- 2) develop monitoring, control and integration systems to enable cost-effective widespread deployment of small modular PV systems and
- 3) demonstrate the integration of PV and energy storage into Smart Grid applications.

This will accelerate the placement of high levels of PV penetration into existing or newly designed distribution circuits. The achievement of these goals will facilitate increased growth of grid-tied PV installations, thus supporting the Solar Energy Technology Program's mission to accelerate widespread commercialization of clean solar energy technologies in the US.

Deadline: July 30, 2009

<http://www07.grants.gov/search/search.do;jsessionid=plnMKm2PsTtl5H1fpQ2kGyrlCQM8gvkM9nWK0Vp1nLvmJksFQBHp!868402889?oppId=47579&flag2006=false&mode=VIEW>

SOLAR MARKET TRANSFORMATION



The US Department of Energy is working to reduce market barriers and promote market expansion of solar energy technologies through non-R&D activities, including:

- 1) activities that provide technical, regulatory, institutional, financial and educational solutions to market transformation barriers; and
- 2) efforts that accelerate demand for new solar technologies.

Below are several defining aspects of SETP efforts:

- DOE is seeking to identify and minimize or remove barriers to solar technology commercialization as quickly and efficiently as possible.
- Given the proximity of its 2015 goal, DOE is seeking to make large and significant changes in the marketplace through its activities.
- Emphasis will be on projects and activities with the greatest potential to assist the DOE in reaching its SETP cost-competiveness goal by 2015.

The objectives of this Funding Opportunity Announcement are to:

- 1) address current market barriers to the adoption of solar technologies; and
- 2) establish a nationally coordinated effort to spread solar installation training to the local level.

Deadline: July 30, 2009

<http://www07.grants.gov/search/search.do;jsessionid=plnMKm2PsTtl5H1fpQ2kGyrlCQM8gvkM9nWK0Vp1nLvmJksFQBHp!868402889?oppId=47586&flag2006=false&mode=VIEW>

NIST CONSTRUCTION GRANT PROGRAM

The American Recovery and Reinvestment Act of 2009 (Recovery Act) appropriated \$180 million to NIST "for a competitive construction grant program for research science buildings." NIST intends to issue grant awards for approximately \$60 million to unfunded meritorious proposals submitted under the fiscal year 2008 competition and issue grant awards for approximately \$120 million under a new fiscal year 2009 competition.

The goals and objectives of the program are to provide competitively awarded grant funds for research science buildings through the construction of new buildings or expansion of existing buildings. For purposes of this program, "research science building means a building or facility whose purpose is to conduct scientific research, including laboratories, test facilities, measurement facilities, research computing facilities, and observatories."

In addition, "expansion of existing buildings means that space to conduct scientific research is being expanded from what is currently available for the supported research activities."

NIST anticipates funding 8-12 projects with the Federal shares in the \$10 million - \$15 million range and with a project period of performance of up to five (5) years, although there is an expectation that most of the projects will be completed prior to 5 years. The anticipated start date will be one month after the award is made. NIST anticipates making awards in approximately 9 months depending on the number of proposals received. The period of performance depends on the construction schedule proposed.

Organizations may submit one (1) proposal in response to this solicitation. Those interested in submitting an application must send a pre-proposal (following the guidelines below) to Donna Stremke in ORSP (dstremke@fgcu.edu) by 5:00 pm, June 11, 2009. If more than one pre-proposal is received, a special meeting of the Faculty Senate Grants & Research Team will hear presentations and make a recommendation as to which pre-proposal should be submitted.

INTERNAL PRE-PROPOSAL:

A brief (3 page) scientific justification and rationale for the project, including

1. Executive Summary of the project.
2. An explanation of how this proposal fits with the Program Priorities of the Department of Commerce's three science organizations: NIST, the National Oceanic and Atmospheric Administration, and the National Telecommunications and Information Administration. Specifically, these include science related to measurements, oceans and atmosphere, and telecommunications;
3. The approximate cost of the project.
4. A paragraph that addresses the NIST review criterion of 25-50% cost sharing, and how the recommendations will be met.

Deadlines: Letter of Intent--NLT 3 p.m. EST, Thursday, June 25, 2009. Full proposal NLT 3 p.m. EST, Monday, August 10, 2009.

http://www.nist.gov/recovery/construction_ffo.html

SPECIAL EDUCATION

IES RESEARCH AND DEVELOPMENT CENTER PROGRAM

The Institute supports special education research and development centers (R&D Centers) that are intended to contribute significantly to the solution of special education problems in the US by engaging in research, development, evaluation, and national leadership activities aimed at improving the education system, and ultimately, student achievement. Each of the R&D Centers conducts a focused program of research in its topic area. In addition, each Center conducts supplemental research within its broad topic area and provides national leadership in advancing evidence-based practice and policy within its topic area. For information on existing Institute special education R&D Centers, please see

<http://ies.ed.gov/ncser/projects/program.asp?ProgID=52>

For the FY2010 Special Education Research and Development Center competition, the Institute invites applications for two Special Education Research and Development Centers:

- (1) Special Education Research and Development Center on Assessment and Accountability and
- (2) Special Education Research and Development Center on Improving Mathematics Instruction for Students with Mathematics Difficulties.

Deadline: August 3, 2009

http://ies.ed.gov/funding/pdf/2010_84324C.pdf

IES SPECIAL EDUCATION RESEARCH GRANTS

Through its research program on Early Intervention and Early Childhood Special Education (Early Intervention), the Institute intends to support research that contributes to the improvement of developmental outcomes and school readiness of infants, toddlers, and young children (from birth through preschool) with disabilities or at risk for disabilities by:

1. exploring malleable factors₂ (e.g., children's skills, instructional practices, curricula) that are associated with better developmental and school readiness outcomes for children with disabilities or children at risk for disabilities, as well as mediators or moderators of the relations between these factors and child outcomes, for the purpose of identifying potential targets of intervention;
2. developing innovative curricula, instructional approaches, programs, or professional development training to improve developmental outcomes and school readiness for children with disabilities or children at risk for disabilities;
3. evaluating the efficacy of fully developed interventions, programs, curricula, and professional development programs to improve developmental outcomes and school readiness for children with disabilities or children at risk for disabilities;
4. evaluating the effectiveness of interventions, programs, curricula, or professional development programs that are implemented at scale and designed to improve developmental outcomes and school readiness; and

5. developing and validating assessment tools that can be used by practitioners to assess infants, toddlers, and young children with disabilities or at risk for disabilities, assess the performance of early intervention and early childhood special education practitioners, or assess systemic practices or policies. Developmental outcomes that may be addressed through this program are cognitive, linguistic, social, emotional, adaptive, and physical outcomes.

The long-term outcome of this program will be an array of tools and strategies (e.g., assessment tools, curricula, programs, services, interventions) that have been documented to be effective for improving developmental outcomes or school readiness of infants, toddlers, and young children with disabilities or at risk for disabilities

Deadline: August 3, 2009

http://ies.ed.gov/funding/pdf/2010_84324A.pdf

STEM

COMPUTATIONAL MATHEMATICS

NSF supports mathematical research in areas of science where computing plays a central and essential role, emphasizing algorithms design, numerical methods and their analysis, and symbolic methods. The prominence of computation in the research is a hallmark of the program. Proposals ranging from single-investigator projects that develop and analyze innovative computational methods to interdisciplinary team projects that not only create new mathematical and computational techniques but use them to model, study, and solve important application problems are encouraged.

Deadline: December 1, 2009

http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=5390

COMPUTER AND NETWORK SYSTEMS (CNS): CORE PROGRAMS

NSF CISE's Division of Computer and Network Systems supports research and education projects that develop new knowledge in two core programs:

- The Computer Systems Research program; and
- The Networking Technology and Systems program.

Proposers are invited to submit proposals in three project classes, which are defined as follows:

- Small Projects - up to \$500,000 total budget with durations up to three years;
- Medium Projects - \$500,001 to \$1,200,000 total budget with durations up to four years; and
- Large Projects - \$1,200,001 to \$3,000,000 total budget with durations up to five years.

Deadlines: August 1, November 1, December 1, 2009

<http://www.nsf.gov/pubs/2009/nsf09556/nsf09556.htm>

COMPUTING AND COMMUNICATION FOUNDATIONS: CORE PROGRAMS

NSF CISE's Division of Computing and Communication Foundations supports research and education projects that develop new knowledge in three core programs:

- The Algorithmic Foundations program;
- The Communications and Information Foundations program; and
- The Software and Hardware Foundations program.

Proposers are invited to submit proposals in three project classes, which are defined as follows:

- Small Projects - up to \$500,000 total budget with durations up to three years;
- Medium Projects - \$500,001 to \$1,200,000 total budget with durations up to four years; and
- Large Projects - \$1,200,001 to \$3,000,000 total budget with durations up to five years.

Deadlines: August 1, November 1, December 1, 2009

<http://www.nsf.gov/pubs/2009/nsf09555/nsf09555.htm>

EXPEDITIONS IN COMPUTING

The far-reaching impact and rate of innovation in the computing and information disciplines has been remarkable, generating economic prosperity and enhancing the quality of life for people throughout the world. But the best is yet to come!

The NSF Directorate for Computer and Information Science and Engineering has created the Expeditions in Computing (*Expeditions*) program to provide the CISE research and education community with the opportunity to pursue ambitious, fundamental research agendas that promise to define the future of computing and information. In planning *Expeditions*, investigators are encouraged to come together within or across departments or institutions to combine their creative talents in the identification of compelling, transformative research agendas that promise disruptive innovations in computing and information for many years to come.

Funded at levels up to \$2,000,000 per year for five years, *Expeditions* represent some of the largest single investments currently made by the directorate. Together with the Science and Technology Centers CISE supports, *Expeditions* form the centerpiece of the directorate's award portfolio. With awards funded at levels that promote the formation of research teams, CISE recognizes that concurrent research advances in multiple fields or sub-fields are often necessary to stimulate deep and enduring outcomes.

CISE anticipates hosting an *Expeditions* competition annually, making three awards in each competition that over five years will result in steady-state support for fifteen projects. The awards made in this program will complement projects supported by other CISE programs, which target particular computing or information disciplines or fields.

Deadline: February 10, 2010

<http://www.nsf.gov/pubs/2008/nsf08568/nsf08568.htm>

INFORMATION AND INTELLIGENT SYSTEMS (IIS): CORE PROGRAMS

NSF CISE's Division of Information and Intelligent Systems supports research and education projects that develop new knowledge in three **core programs**:

- The Human-Centered Computing program;
- The Information Integration and Informatics program; and
- The Robust Intelligence program.

IIS is also responsible for managing the review process for proposals in computer graphics and visualization; these proposals may be submitted to any of the three core programs described above.

Proposers are invited to submit proposals in three project classes, which are defined as follows: Small Projects - up to \$500,000 total budget with durations up to three years; Medium Projects - \$500,001 to \$1,200,000 total budget with durations up to four years; and Large Projects - \$1,200,001 to \$3,000,000 total budget with durations up to five years.

Deadline: Deadlines: August 1, November 1, December 1, 2009

<http://www.nsf.gov/pubs/2009/nsf09557/nsf09557.htm>

CISE CROSS-CUTTING PROGRAMS: FY 2010



This solicitation seeks proposals in cross-cutting areas that are scientifically timely, and that benefit from the intellectual contributions of researchers with expertise in a number of computing fields and/or sub-fields. The cross-cutting programs for FY 2010 are:

- Data-intensive Computing;
- Network Science and Engineering; and
- Trustworthy Computing.

CISE expects that over time, these cross-cutting programs will evolve or be absorbed into the core programs, and that new cross-cutting programs will be introduced.

Proposers are invited to submit proposals in three project classes, which are defined as follows: Small Projects - up to \$500,000 total budget with durations up to three years; Medium Projects - \$500,001 to \$1,200,000 total budget with durations up to four years; and Large Projects - \$1,200,001 to \$3,000,000 total budget with durations up to five years.

Deadlines: August 1, November 1, December 1, 2009

<http://www.nsf.gov/pubs/2009/nsf09558/nsf09558.htm>

MULTIDISCIPLINARY, MULTI-INSTITUTIONAL SCIENCE AND TECHNOLOGY COMPETITIONS



The U.S. Department of Homeland Security Science and Technology Directorate requests applications to conduct multidisciplinary research. These organizations should demonstrate expertise in an individual or combined research area described in this funding opportunity announcement. DHS S&T is congressionally mandated in the Homeland Security Act of 2002 to “establish a coordinated, university-based system to enhance the Nation’s homeland security.” Therefore, eligible applications under this funding opportunity will be submitted by a lead organization with a specific plan to partner with at least one other organization in order to fully address the required multidisciplinary research components.

DHS S&T requests applications in one of the four topics as follows:

- 1) Community Participation and Resilience,
- 2) Multiple Sensor Integration
- 3) Port Systems Resilience, or
- 4) Immigration Security.

Each topic is of interest to multiple DHS S&T Divisions and DHS component agencies and crosses the subject matter expertise of multiple universities, existing DHS Centers of Excellence (COE), and other research consortia. Institutions may submit applications for more than one topic. However, they must be separate applications. DHS's intent in funding this competition is to take advantage of the existing scientific expertise and technological capabilities of multiple research centers and institutions to address complex and difficult problems facing DHS that no one institution can address adequately on its own.

Deadline: July 15, 2009

<http://www07.grants.gov/search/search.do?&mode=VIEW&flag2006=false&oppId=47408>