



# Office of Research and Sponsored Programs

## Newsletter

May, 2008

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## **ANNOUNCEMENTS**

### **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 date. This means ORSP needs your completed proposal **four** days prior to the submission deadline. Please coordinate your proposals with this new information in mind.

### **ORSP Website**

The Office of Research and Sponsored Programs offers a multitude of services to assist you in preparing and submitting grant applications. ORSP's 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](mailto: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](mailto:asoria@fgcu.edu).

### **Find Funding at Your Convenience**

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. You can also search the Grants.gov web site for all federal funding opportunities. See [www.grants.gov](http://www.grants.gov).

### **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 that may lead to new funding from external sources. The travel must be for the

purpose of increasing chances of obtaining a grant and 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>

### Grants.gov at FGCU

The Federal government requires most grants to be submitted through Grants.gov. ORSP has completed the credential process and is accustomed to using Grants.gov on a regular basis. 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, ORSP will send you the instruction manual and the downloaded application forms with the institutional information already entered. Contact Beth Rieger at [brieger@fgcu.edu](mailto:brieger@fgcu.edu).



### Do You Need Help with Proposal Preparation?

Please contact Beth Rieger at [brieger@fgcu.edu](mailto:brieger@fgcu.edu) to assist you set up your budget and complete your proposal/application package. We 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 contracts 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.

### Council on Undergraduate Research

The Council on Undergraduate Research (CUR) and its affiliated colleges, universities, and individuals share a focus on providing undergraduate research opportunities for faculty and students at predominantly undergraduate institutions. CUR has initiated a Registry of Undergraduate Researchers to facilitate matchmaking between undergraduates with research experience and a desire to pursue an advanced degree, and graduate schools seeking high quality students who are well prepared for research. The Registry is open to students and graduate schools/employers in the fields of Astronomy, Chemistry, Biochemistry, Biology, Physics, Mathematics, Computer Science, Geosciences, Engineering, Psychology, Sociology, and Anthropology/Archaeology. The registry is free of charge to students. <http://www.cur.org>

## CONGRATULATIONS

### Awards during April 2007

<b>College of Arts and Sciences</b>			
EVERHAM, Win Ceilley, David	South Florida Water Management District	Lake Trafford Monitoring Phase II	<b>\$ 25,000.00</b>
GOGATE, Lakshmi	March of Dimes Birth Defects Foundation	A Longitudinal Study of Preterm and Full-Term Infants' Perception and Attention to Word-Object Pairings and Later Word Learning	<b>\$ 180,349.00</b>
PARSONS, Michael	Florida Fish and Wildlife Conservation Commission	Monitoring of Red Tide in the northwestern Everglades and adjacent coastal areas	<b>\$15,000.00</b>
<b>College of Education</b>			
GREENE, Marci Isaacs, Madelyn	Florida Department of Education	Teacher Quality Activities 2007-2008	<b>\$ 85,000.00</b>
SULLIVAN, Peg	University of South Florida	PIRC Evaluation 2008	<b>\$ 50,000.00</b>
<b>Academic Media and Technology Services</b>			
DAVEY, Kathleen	Community Foundation of Collier County	Turn It Off!	<b>\$ 5,000.00</b>

### Submissions during April 2007

<b>College of Arts and Sciences</b>			
ALLMAN, Phillip Feinberg, Seth	National Science Foundation / Western Washington University	Collaborative Proposal: Ghana 2008 - 2010	<b>\$49,294.00</b>
BARRETO, Jose Voley, Aswani Parsons, Michael	NOAA	AM Alkaline Biocide for the Sterilization of Ballast Water	<b>\$78,801.00</b>
BOVARD, Brian D. Wewerka, Laura	Florida Department of Environmental Protection	The impacts of Melaleuca quinquenervia removal and climate variability on the ecohydrology of Melaleuca infested Pine Flatwoods	<b>\$13,773.00</b>
HUNT, Dennis	Trek Estero Bicycle Store	Cycling Performance Program	<b>\$ 2,250.00</b>
MILLNER, Lyn	Gannett Foundation	Equipment for Journalism Classes	<b>\$ 19,985.00</b>
PARSONS, Michael	Florida Fish and Wildlife Conservation Commission	The Development and Implementation of a Ciguatera Monitoring Program for Florida's Artificial Reefs	<b>\$54,221.00</b>
VOLETY, Aswani	South Florida Water Management District	Restoration of Oyster Reefs in Estero Bay	<b>\$34,600.00</b>
PARSONS, Michael	Florida Department of Environmental Protection	Ciguatera in the Florida Keys: the Role of Environmental Gradients	<b>\$57,951.00</b>
WILSON, Jo Ann Dubetz, Terry	Community Foundation of Collier County	GEMS (Girls in Engineering, Math, and Science)	<b>\$7,700.00</b>
<b>College of Health Professions</b>			
MCFARLAND, Renee Metzger, Nancy	Robert Wood Johnson Foundation	"Caught in the Middle"	<b>\$125,000.00</b>

### Correction to April Newsletter:

<b>College of Arts and Sciences</b>			
VOLETY, Aswani	West Coast Inland Navigation District	Marine Environmental Education and Outreach 2008	<b>\$100,000.00</b>

## FUNDING OPPORTUNITIES

### ARTS AND HUMANITIES

#### Innovative Thinkers to Confront Global Challenges

The Open Society Institute has launched a fellowship program to enable outstanding individuals from around the world to pursue projects that will inspire meaningful debate and shape public policy. The Fellowship will award \$2M in 2008 to scholars, journalists, activists and others working on national security; citizenship, membership and marginalization; authoritarianism; and new strategies and tools for advocacy. Projects may include books, articles, documentary films, online media, and efforts to seed new campaigns and organizations. OSI seeks fellows to engage with its staff and inform its thinking. OSI will provide fellows with competitive stipends and communications assistance, and will integrate them into its networks of partners and grantees. Most fellowships are for one year.

**Deadline: Open**

<http://www.soros.org/initiatives/fellowship>

#### Humanities High Performance Computing



NEH and the Office of Science in the US Department of Energy (DOE) are working together to provide humanities scholars with access to DOE supercomputers. These grants provide computer time on DOE machines at the National Energy Research Scientific Computing Center (NERSC) at the Lawrence Berkeley National Laboratory, as well as training and support to enable scholars to take full advantage of those resources. Interested scholars will apply directly to NERSC, and hours will be awarded under the terms of the DOE's Innovative and Novel Computational Impact on Theory and Experiment (INCITE) program. The INCITE program was conceived specifically to seek out computationally intensive, large-scale research projects with the potential to significantly advance key areas in science and engineering. With this partnership with NEH, the hope is that comparable research projects in the humanities will be able to take advantage of high performance computing resources. Successful applicants will be given access to computer and support resources at NERSC and will receive travel reimbursement funds to enable them (up to two people per project) to attend on-site training at NERSC.

Supported activities may include:

- mining of large textual datasets, morphological analysis, manipulations, and transformations;
- analysis of geographical information systems data, maps, etc.; and
- computationally demanding visualization, modeling, and pattern recognition and analysis.

The goal of the program is to provide opportunities for humanities scholars whose research requires high performance computing to collaborate with computer scientists and others at centers already familiar with the challenges of intensive data mining, visualization, and other demanding applications.

**Deadline: July 15, 2008**

<http://www.neh.gov/grants/guidelines/hhpc.html>



## NEH/DRP Summer Stipends

The Division of Research Programs (DRP), National Endowment for the Humanities (NEH), will soon be accepting nominations for its Summer Stipend awards. The purpose of the program is to allow scholars to devote two consecutive months of full-time study and research to a particular project by providing them with stipends of \$5,000 for the two-month period.

Eligible research subjects include, but are not limited to: language, both modern and classical; linguistics; literature; history; jurisprudence; philosophy; archaeology; comparative religion; ethics; the history, criticism, and theory of the arts; those aspects of social sciences which have humanistic content and employ humanistic methods; and the study and application of the humanities to the human environment with particular attention to reflecting our diverse heritage, traditions, and history and to the relevance of the humanities to the current conditions of national life.

Faculty members teaching full-time at colleges and universities **must** be nominated by their institutions to apply for a Summer Stipend. **Each college and university in the United States and its jurisdictions may nominate two faculty members.** Each can be either a junior or a senior faculty member. NEH defines junior nominees as academic applicants at the rank of assistant professor or instructor or who are at comparably early stages of their careers. Those holding the rank of associate professor or professor will be considered senior nominees.

NEH has announced that guidelines for the 2009 Summer Stipend Program will be available in the spring. In the interim, last year's guidelines are available on-line and can be used for reference, but should NOT be used to prepare an application.

Final nominated applications are due at NEH on **October 1, 2008**. Applications will be submitted to NEH on-line. Applications should be submitted online by faculty **only after they have been nominated**. The on-line process **is not** used for the internal competition.

*Applicants wishing to have their projects nominated by FGCU should submit applications to Ms. Donna Stremke at ORSP via e-mail at [dstremke@fgcu.edu](mailto:dstremke@fgcu.edu) by 4:00 PM on Wednesday, August 27, 2008, for internal review (as ONE PDF or Word format file). Preliminary applications should follow the guidelines for the program as outlined on the NEH website. Each application should include: a cover sheet, project narrative, project bibliography and resume. Note: DO NOT submit your internal application to the NEH website.*  
<http://www.neh.gov/grants/guidelines/stipends.html>

## NEH Summer Stipends



Summer Stipends support individuals pursuing advanced research that is of value to scholars and general audiences in the humanities. Recipients usually produce articles, monographs, books, digital materials, archaeological site reports, translations, editions, and other scholarly tools. Summer Stipends support full-time work on a humanities project for a period of two months. Summer Stipends support projects at any stage of development. Summer Stipends are awarded to individual scholars. Organizations are not eligible to apply.

Summer Stipends may not be used for:

- research for doctoral dissertations or theses by students enrolled in a degree program;
- specific policy studies or educational or technical impact assessments;

- the preparation or publication of textbooks;
- studies of teaching methods or theories, surveys of courses and programs, or curriculum development;
- inventories of collections;
- works in the creative or performing arts (e.g., painting, writing fiction or poetry, dance performance, etc.);
- projects that seek to promote a particular political, philosophical, religious, or ideological point of view; or
- projects that advocate a particular program of social action.

As a taxpayer-supported federal agency, the NEH endeavors to make the products of its awards available to the broadest possible audience. Our goal is for scholars, educators, students, and the American public to have ready and easy access to the wide range of NEH grant products. For the Summer Stipends program, such products may include digital tools, Web sites, and the like. For projects that lead to the development of Web sites, all other considerations being equal, the NEH gives preference to those that provide free access to the public.

The Endowment currently sponsors two agency-wide programs—*We the People* and Digital Humanities—and one special initiative, Rediscovering Afghanistan. Below is information on each. The NEH encourages applications in these three areas of special interest. Proposals will be evaluated through NEH's established review process and will not receive special consideration.

- *We the People* - NEH encourages applications that explore significant events and themes in our nation's history and culture and that advance knowledge of the principles that define America.
- *Digital Humanities* - Digital technologies offer humanists new methods of conducting research, conceptualizing relationships, and presenting scholarship. Digital humanities projects deploy these technologies and methods to enhance our understanding of a topic or issue. NEH also is interested in projects that study the impact of digital technology on the humanities—exploring the ways in which it changes how we read, write, think, and learn.
- *Rediscovering Afghanistan* - The special initiative is designed to promote research, education, and public programs about Afghanistan and to encourage United States institutions to assist Afghanistan in efforts to preserve and document its cultural resources.

**Deadline: October 1, 2008**

<http://www.neh.gov/grants/guidelines/stipends.html#howto>

### Preservation and Access Education and Training Grants



These grants support national or regional (multi-state) education and training programs on the care and management of, and the creation of intellectual access to, library, archival, and material culture collections. Eligible projects include:

- the development and presentation of courses or programs on the care and management of collections for staff in cultural organizations who are responsible for the day-to-day care of collections;
- the development and presentation of courses or programs that focus on the skills and knowledge required to provide or enhance intellectual access to humanities collections;

- graduate programs in preservation and conservation; and
- preservation field services that serve a multi-state region and provide surveys, consultations, workshops, reference services, and informational materials to the staff of institutions responsible for the care of humanities collections.

Education and Training Grants may not be used for:

- programs on the care and management of collections that are the responsibility of an agency of the federal government or are not regularly accessible for research, education, or public programming;
- programs about the preservation of the built or natural environment;
- programs that are not regional or national in scope; or
- support of either full-time or permanent faculty positions in graduate programs.

An institution whose project has received NEH support may apply for a grant for a new or subsequent stage of that project. These proposals receive no special consideration and will be judged by the same criteria as others in the grant competition. In addition, the proposals must be substantially updated, including a description of the new activities and a justification of the new budget. The applicant must also describe how the previously-funded project met its goals.

NEH endeavors to make the products of its grants available to the broadest possible audience. Our goal is for scholars, educators, students, and the American public to have ready and easy access to the wide range of NEH grant products. For projects that lead to the development of online resources and digital tools, all other considerations being equal, NEH gives preference to those that provide free access to the public.

**Deadline: July 1, 2008**

<http://www.neh.gov/grants/guidelines/pet.html>

### Fellowships at Digital Humanities Centers



NEH Fellowships at Digital Humanities Centers (FDHC) support collaboration between digital centers and individual scholars. An award provides funding for both a stipend for the fellow while in residence at the center and a portion of the center's costs for hosting a fellow. Awards are for periods of six to twelve months. The intellectual cooperation between the visiting scholar and the center may take many different forms and may involve humanities scholars of any level of digital expertise. Fellows may work exclusively on their own projects in consultation with center staff, collaborate on projects with other scholars affiliated with the center, function as "apprentices" on existing digital center projects, or any combination of these. The results of the collaboration may range from "proof of concept" to finished product.

The aims of the program are to 1) support innovative collaboration on outstanding digital research projects; 2) expand digital literacy and expertise; 3) promote the work of digital humanities centers; and 4) encourage broad and open access to the humanities.

FDHC grants are made to digital humanities centers and, therefore, a staff member of the digital humanities center must serve as the project director. Prospective fellows must apply through a digital center. **Centers may submit one application per deadline; individual scholars may apply in collaboration with only one digital center per deadline.** Awards support the scholar's fellowship in residence as well as a portion of the center's direct and indirect costs of

hosting such fellowships. The scholar in residence may not be employed by, or associated with, the institution that houses the center.

Awards include funding for both a stipend for the fellow in residence and a portion of the center's cost for hosting a fellow. Fellows receive stipends of \$4,200 per month for periods of six to twelve months of work. Centers may receive up to \$4,200 per month to cover direct and indirect costs. The maximum award for a twelve month grant, therefore, is \$100,800: \$50,400 for the fellow's stipend and \$50,400 for the direct and indirect costs of administering the fellowship. Each application will include one digital humanities center and one individual scholar.

Center eligibility is limited to:

- Digital humanities centers affiliated with either American institutions of higher education or U.S. nonprofit organizations or institutions with IRS 501(c)(3) tax exempt status.
- Individual scholar eligibility is limited to:
- U.S. citizens; and
- foreign nationals who have been living in the United States or its jurisdictions for at least the three years immediately prior to the application deadline.

All individual scholars must have completed their formal education by the application deadline. While applicants need not have advanced degrees, individuals currently enrolled in a degree-granting program are ineligible to apply.

**Deadline: September 15, 2008**

<http://www.neh.gov/grants/guidelines/fdhc.html>

**BUSINESS**

### Small Business Innovation Research (SBIR) - Phase I



EPA invites small business firms to submit research proposals under this Small Business Innovation Research Solicitation. The SBIR program is a phased process, uniform throughout the Federal Government, of soliciting proposals and awarding firm fixed price contracts for research or research and development (R&D) to meet stated agency needs or missions.

EPA is interested in advanced technologies that address the following EPA topics: Innovation in Manufacturing, Nanotechnology, Green Buildings, Drinking Water and Water Monitoring, Water Infrastructure Rehabilitation, Monitoring and Control of Air Pollution, Biofuels and Vehicle Emissions Reduction, Waste Management and Monitoring and Homeland Security. The proposed research must directly pertain to EPA's environmental mission and must be responsive to EPA program interests included in the topic descriptions in this solicitation.

Offerors must designate a research topic for their proposal. The same proposal may not be submitted under more than one topic. An organization may, however, submit separate proposals on different topics, or different proposals on the same topic, as long as the proposals are not duplicates of the same research principle modified to fit the topic. If such duplicates are submitted, only one will be reviewed. Where similar research is discussed under more than one topic, the offeror shall choose the topic most relevant to the proposed research. It is the complete responsibility of offerors to select and identify the best topic for their proposals.

**Deadline: May 21, 2008.**

[http://es.epa.gov/ncer/rfa/2008/2008\\_sbir\\_phase1.html](http://es.epa.gov/ncer/rfa/2008/2008_sbir_phase1.html)

### Virtual Organizations as Sociotechnical Systems



A virtual organization is a group of individuals whose members and resources may be dispersed geographically, but who function as a coherent unit through the use of cyber-infrastructure. Virtual organizations are increasingly central to the science and engineering projects funded by the National Science Foundation. Focused investments in sociotechnical analyses of virtual organizations are necessary to harness their full potential and the promise they offer for discovery and learning.

The Virtual Organizations as Sociotechnical Systems (VOSS) program supports scientific research directed at advancing the understanding of what constitutes effective virtual organizations and under what conditions virtual organizations can enable and enhance scientific, engineering, and education production and innovation. Levels of analysis may include (but are not limited to) individuals, groups, organizations, and institutional arrangements. Disciplinary perspectives may include (but are not limited to) anthropology, complexity sciences, computer and information sciences, decision and management sciences, economics, engineering, organization theory, organizational behavior, social and industrial psychology, public administration, and sociology. Research methods may span a broad variety of qualitative and quantitative methods, including (but not limited to): ethnographies, surveys, simulation studies, experiments, comparative case studies, and network analyses.

VOSS funded research must be grounded in theory and rooted in empirical methods. It must produce broadly applicable and transferable results that augment knowledge and practice of virtual organizations as a modality. VOSS does not support proposals that aim to implement or evaluate individual virtual organizations.

**Deadline: June 2, 2008**

[http://www.nsf.gov/funding/pgm\\_summ.jsp?pims\\_id=503256](http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=503256)

### 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 Directorate for Computer and Information Science and Engineering (CISE) 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: July 10, 2008**

[http://www.nsf.gov/funding/pgm\\_summ.jsp?pims\\_id=503169](http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=503169)

### Cluster Exploratory (CluE)



Recently the private sector has launched a number of highly effective internet-scale applications powered by massively scaled, highly distributed computing resources. Academic researchers have expressed a need for access to similar computing resources that will allow them to engage and explore this emerging and pervasive model of computing.

Through the NSF Cluster Exploratory (CluE) program, researchers will use software and services running on a Google-IBM cluster to explore innovative research ideas in data-intensive computing. Proposals funded are expected to cover a range of activities that **first** lead to advances in computing research, but that also explore the potential of this computing paradigm to contribute to science and engineering research and to applications that promise benefit to society as a whole.

**Deadline: July 17, 2008**

<http://www.nsf.gov/pubs/2008/nsf08560/nsf08560.htm>

### Broadening Participation in Computing



The NSF Broadening Participation in Computing (BPC) program aims to significantly increase the number of U.S. citizens and permanent residents receiving post secondary degrees in the computing disciplines, with an emphasis on students from communities with longstanding underrepresentation in computing: women, persons with disabilities, and minorities (African Americans, Hispanics, American Indians, Alaska Natives, Native Hawaiians, and Pacific Islanders). The BPC program seeks to engage the computing community in developing and implementing innovative methods to improve recruitment and retention of these students at the undergraduate and graduate levels. Because the lack of role models in the professoriate can be a barrier to participation, the BPC program also aims to develop effective strategies for encouraging individuals to pursue academic careers in computing and become these role models. There are three components to the BPC program:

- **Alliances.** Broad Alliances of institutions and organizations will design and carry out comprehensive programs that address underrepresentation in the computing disciplines. Alliances will join academic institutions of higher learning with secondary (and possibly middle) schools, government, industry, professional societies, and other not-for-profit organizations. In most cases, Alliances will involve multiple academic institutions of higher learning. Together, the participants will (1) develop and implement interventions that support students, (2) create sustainable changes in culture and practices at the institutional, departmental, and organizational levels, and (3) serve as models and repositories for effective practices to broaden participation. The emphasis will be on activities that have significant impact both in the quality of opportunities afforded to students and in the number of students potentially served. While the focus is on implementations, an Alliance may include complementary research that informs the

design of its activities. The leveraging of existing efforts both across and within the underrepresented communities is strongly encouraged.

- **Alliance Extensions.** Successful BPC Alliances can propose additional funding to significantly expand the impact of their work. The new funding can overlap with the final year of the Alliance project and can extend it for up to two years. Extensions must increase not just the duration of the Alliance award but also its scope, introducing additional targeted student groups, partners, and/or projects.
- **Demonstration Projects.** Demonstration Projects (DPs) are smaller in scope and narrower in focus than Alliance projects. Typically DPs will be pilots of innovative programs that, once fully developed, could be incorporated into the activities of an Alliance. Projects might, for example, be proposed by a single institution or might focus on a specific underrepresented community, a specific point in the academic pipeline, or on a specific impediment to full participation in computing. As in the case of Alliances, complementary, well-defined research aimed at informing the development of the project can be included.

Proposed Demonstration Projects should fall within the scope of Alliance activities as described above. Proposers should demonstrate an understanding of the issues involved in underrepresentation and a commitment to addressing them. Unlike the Alliance awards, Demonstration Project awards may be made to a single institution or organization. Like Alliances, projects must have clearly defined objectives and strategies with respect to underrepresented groups served, and they must include strong evaluation and assessment components that document both their successes and failures.

**Deadline: June 04, 2007**

<http://www.nsf.gov/pubs/2007/nsf07548/nsf07548.htm>

**CRIMINAL JUSTICE**

### [Using DNA Technology to Identify the Missing](#)



The National Institute of Justice (NIJ) is the research, development, and evaluation agency of the U.S. Department of Justice and a component of the Office of Justice Programs (OJP). NIJ provides objective, independent, evidence-based knowledge and tools to enhance the administration of justice and public safety. NIJ solicits applications to inform its search for the knowledge and tools to guide policy and practice.

The goal of the "Using DNA Technology to Identify the Missing" solicitation is twofold: (1) to assist eligible entities in performing DNA analysis on unidentified human remains and/or reference samples to support the efforts of States and units of local governments to identify missing persons and (2) to enter resulting DNA profiles into the CODIS+mito index of the FBI's National DNA Index System.

**Deadline: May 23, 2008**

<http://www.ncjrs.gov/pdffiles1/nij/s1000832.pdf>

## DEFENSE INITIATIVES

### Acquisition Research Program at the Naval Postgraduate School

This BAA's primary objective is to attract outstanding researchers and scholars to investigate topics of interest to the defense acquisition community. The program solicits innovative proposals for defense acquisition management and policy research to be conducted during fiscal year (FY) 2009 (1 Oct 08 -30 Sep 09).



In this BAA, the phrase "defense acquisition management and policy research" refers to investigations in all disciplines, fields, and domains that (1) are involved in the acquisition of products and/or services for national defense, or (2) could potentially be brought to bear to improve defense acquisition. It includes but is not limited to economics, finance, financial management, information systems, organization theory, operations management, human resources management, and marketing, as well as the "traditional" acquisition areas such as contracting, program/project management, logistics, and systems engineering management. These topics are listed for guidance only.

#### Evidence of Progress/Deliverables:

- Awardees must demonstrate evidence of progress via quarterly progress reports in the case of grants, or deliverables in the case of contracts,.
- Awardees must agree to deliver completed technical reports to the Technical Point of Contact listed below not later than 30 days after completion of the period of performance. Technical report preparation instructions are provided at [www.acquisitionresearch.org](http://www.acquisitionresearch.org).
- Awardees must agree to present their research findings at the Naval Postgraduate School's Annual Acquisition Research Symposium ([www.researchsymposium.org](http://www.researchsymposium.org)) held in May of each year in Monterey, CA. FY2009 awardees may elect to present their findings at either the May 2009 or May 2010 symposia (dates to be announced), depending on the anticipated progress of their research efforts.

**Deadline: June 13, 2008**

<http://www.nps.edu/research/WorkingWithNPS.html>

### USF Center for Biological Defense Request for White Papers

The University of South Florida Center for Biological Defense (CBD) is requesting white papers to expand its biodefense research capabilities for the FY 2009-2010 funding period. White papers will be reviewed and selected based on significance and scientific merit of the project. Submission of white papers is mandatory, and following an initial review investigators may be invited to submit full technical proposals.

It is anticipated that 3-6 projects across the Florida SUS will be funded through the Florida Biodefense Research Consortium (FRBC) based at the USF CBD. FRBC projects will be for one year and with budgets ranging from \$50,000 to \$120,000 (including full federal indirect). Principal Investigators must be faculty researchers from the Florida SUS institutions. Full technical proposals will be screened and prioritized by external reviewers, and final funding decisions will be made in conjunction with the funding agency.

Applications are encouraged in the following arenas, including but not limited to:

- Development of bio-sensors and detectors;

- Rapid methods of detection and characterization;
- New and advanced decontamination techniques;
- Technology enhancements for first responders;
- Advances in hospital emergency response;
- Rapid diagnostic methods;
- New biological training and communication procedures;
- Biological modeling and simulation methods;
- Rapid, automated processing of BT agents from field agents;
- Novel methods to detect BT agents in the field;
- New methods to treat infections and/or neutralize toxins introduced by BT agents;
- Novel methods of plant and animal pathogen characterization and detection;
- Exploitation of new micro array technology to screen for threat agent exposure, and;
- Genomics to define genetic variation, virulence factors, and to identify new targets for diagnostics and therapeutics

White papers should be in the following format and no more than ONE PAGE in length, single spaced, Times New Roman 12 pt. font:

Project Title:

Principal Investigator:

Institution:

Department:

Mailing Address:

Telephone Number:

Fax Number:

Email address:

Estimated Budget (List Direct and Indirect):

Project Description:

White papers must be emailed by **June 1, 2008**. Investigators invited to submit full proposals will be notified soon thereafter. Investigators not selected to submit a full proposal will be notified via email by August 1, 2008. Proposal Guidelines will be provided to investigators invited to submit full technical proposals. Awarded proposals should expect to initiate research activities in 2009.

Please email white paper as WORD attachment to Diana McCluskey:  
[dmccclusk@health.usf.edu](mailto:dmccclusk@health.usf.edu).

## **EDUCATION IMPROVEMENT**

### **Paul P. Fidler Research Grant**

The Paul P. Fidler Research Grant is designed to encourage the development and dissemination of knowledge that has the potential to improve the experiences of college students in transition. The grant is named in memory of Dr. Paul P. Fidler, a faculty member at the University of South Carolina, whose pioneering research on student learning and success had a vital impact on work being done to promote the success of all students in transition. To learn about the 2007-08 grant recipient, visit [www.sc.edu/fye/research/grant/year/2007.html](http://www.sc.edu/fye/research/grant/year/2007.html)

The Paul P. Fidler Research Grant award includes a cash stipend, travel to two national conferences, a presentation at a national conference, and priority consideration for publication. Specifically, the grant's comprehensive award package includes:

- Stipend of \$5,000, payable either directly to individual researchers or through the researcher(s)' institution(s). The Center will not pay institutional overhead or indirect costs.
- Travel to the 15th National Conference on Students in Transition, November 2008, in Columbia, SC, at which the award will be presented
- Announcement and recognition at 2008 Students in Transition conference luncheon
- Travel to the 16th National Conference on Students in Transition, November 2009, in Salt Lake City, Utah, at which the research findings will be reported
- Announcement on The National Resource Center webpage, listservs, and print publications
- Priority consideration for publication by the National Resource Center for The First-Year Experience and Students in Transition

The Paul P. Fidler Research Grant competition is open to faculty, staff, and graduate students who plan to conduct research on issues of college student transitions. Cross-institutional research teams are encouraged to apply. The following individuals are not eligible and may not be included as part of proposed research teams: National Resource Center staff and fellows; current members of the Center's National Advisory Board; and students, staff, and faculty of the University of South Carolina system.

Completed applications must be received by the National Resource Center by 11:59 pm EST, **July 1, 2008.**

<http://www.sc.edu/fye/research/grant/>

### [Demonstration Projects to Ensure Students with Disabilities Receive a Quality Higher Education](#)

The purpose of the US ED Demonstration Program is to award grants to institutions of higher education (IHEs) to develop innovative demonstration projects that provide technical assistance or professional development that faculty and administrators at IHEs need to effectively teach students with disabilities. IHEs funded under this program also will disseminate information widely about promising practices and activities that yield positive results in their projects and will provide training to enable faculty and administrators in other IHEs to meet the educational needs of students with disabilities.

**Deadline: May 22, 2008**

<http://www.ed.gov/legislation/FedRegister/announcements/2008-2/042208b.html>



### [Disability Rehabilitation Research Projects \(DRRPs\)--Center on Postsecondary Education for Students With Intellectual Disabilities](#)

The purpose of the DRRP program is to improve the effectiveness of services authorized under the Rehabilitation Act of 1973, as amended, by developing methods, procedures, and rehabilitation technologies that advance a wide range of



independent living and employment outcomes for individuals with disabilities, especially individuals with the most severe disabilities. DRRPs carry out one or more of the following types of activities, as specified and defined in 34 CFR 350.13 through 350.19: Research, training, demonstration, development, dissemination, and technical assistance.

An applicant for assistance under this program must demonstrate in its application how it will address, in whole or in part, the needs of individuals with disabilities from minority backgrounds (34 CFR 350.40(a)). The approaches an applicant may take to meet this requirement are found in 34 CFR 350.40(b).

**Priorities:** NIDRR has established two priorities for this competition. The General DRRP Requirements priority is from the notice of final priorities for the Disability and Rehabilitation Research Projects and Centers Program, published in the Federal Register on April 28, 2006 (71 FR 25472). The Center on Postsecondary Education for Students With Intellectual Disabilities priority is from the notice of final priority and definitions for the Disability and Rehabilitation Research Projects and Centers Program, published elsewhere in this issue of the Federal Register.

**Absolute Priorities:** For FY 2008, these priorities are absolute priorities. Under 34 CFR 75.105(c)(3) we consider only applications that meet these priorities. These priorities are:

- General Disability and Rehabilitation Research Projects (DRRP)
- Requirements and a Center on Postsecondary Education for Students With Intellectual Disabilities.

**Deadline: June 24, 2008**

<http://edocket.access.gpo.gov/2008/E8-9109.htm>

## **EDUCATION: PRE-K THROUGH 12 YEARS OF AGE**

### **Head Start Innovation and Improvement Projects**

The Head Start program provides comprehensive child development services to more than 900,000 of our nation's neediest young children. There are a number of organizations and institutions with innovative concepts, projects and products that could help improve the effectiveness and management of local Head Start and Early Head Start sites, and the supportive comprehensive services provided to Head Start families and children. It is the intent of the Office of Head Start (OHS) to solicit proposals for innovations and improvements so that these efforts can be identified and considered. If they are found to have merit, OHS plans to provide financial assistance so they can be further developed, or assessed and made available to local Head Start programs.

Many organizations (at the national, State and local level) seek guidance from OHS because they have seen a need for activities that will improve the quality of Head Start programming, and have valid concepts, products, and projects that address the priorities for improving the comprehensive services provided by OHS. However, this competition is not limited to national, State, and local organizations; Head Start and Early Head Start grantees are also encouraged to apply for funds to adapt, evaluate, and replicate promising practices. In all priority areas Head Start and Early Head Start programs should consider themselves as included in the categories of eligible applicants. This competition will assess the feasibility of funding some of these projects. The focus will be on developing new concepts, products, practices and projects relating to the important priorities and needs in the following areas; National Head Start

Center for Physical Development and Outdoor Play, Supporting Grandparents Raising Head Start Grandchildren, Healthcare Literacy, Mental Health Intervention for Children and Families, Inclusion of Children with Disabilities, Infant and Toddler Online Degree, and an Open Category.

**Deadline: May 19, 2008**

<http://www.acf.hhs.gov/grants/open/HHS-2008-ACF-OHS-YD-0025.html>

## ENVIRONMENTAL PROGRAMS

### Energy Frontier Research Centers



The Department of Energy's Office of Science, Office of Basic Energy Sciences announces the initiation of Energy Frontier Research Centers (EFRCs) to accelerate the rate of scientific breakthroughs needed to create advanced energy technologies for the 21st century. The EFRCs will pursue the fundamental understanding necessary to meet the global need for abundant, clean, and economical energy.

EFRCs will bring together the skills and talents of multiple investigators to enable fundamental research of a scope and complexity that would not be possible with the standard individual investigator or small group research project. As such, the EFRCs will strengthen and complement the existing portfolio of the single Principal Investigator and small group research projects currently supported within BES core research areas.

The EFRC awards are expected to be in the \$2–5 million range annually for an initial five-year project period. It is anticipated that approximately \$100 million will be available annually for multiple EFRC awards starting in FY 2009.

*FGCU may not submit more than three applications as the prime applicant.* However, there is no limitation on the number of applications in which a specific entity participates as a team member/subcontractor.

*Those interested in applying should submit a Letter of Intent to Donna Stremke in ORSP at [dstremke@fgcu.edu](mailto:dstremke@fgcu.edu) by Friday, May 16. An internal selection process will be necessary if more than three letters are received. Please note that if an internal competition is necessary, 2-3 page concept papers will be due by Friday, May 23.*

**Deadline: July 1, 2008**

<http://e-center.doe.gov/iips/faopor.nsf/UNID/933104E42D0185E58525742100694C78?OpenDocument>

### Biomass Fast Pyrolysis Oil (Bio-oil) Stabilization



The U.S. Department of Energy (DOE), Office of Energy Efficiency and Renewable Energy, (EERE) announces a notice of availability of funds for financial assistance addressing the development of technology capable of stabilizing biomass fast pyrolysis oil (a.k.a. bio-oil or flash pyrolysis oil). This Funding Opportunity Announcement (FOA) is authorized under Sec. 932 of the Energy Policy Act of 2005.

**Deadline: May 29, 2008**

<http://e-center.doe.gov/iips/faopor.nsf/8df825feb86675de852564650046faea/b30d021237deb3068525742d0075a4d6?OpenDocument>

## Advanced Water Power Projects



This is a restricted eligibility. Topic Area 1 is restricted to Industrial-led partnerships with at least one other industrial, university, or national laboratory partner. The industry lead can be a technology developer, private utility, or a public municipal or cooperative utility. Topic Area 2, all types of domestic entities are eligible to apply, except other Federal agencies, Federally Funded Research and Development Center (FFRDC) Contractors, and nonprofit organizations described in section 501(c)(4) of the Internal Revenue Code of 1986 that engaged in lobbying activities after December 31, 1995. **Topic Area 3, in accordance with EISA Statutory Authority, eligibility for award is restricted to institutions of higher education or a university led consortium. One institution must assume the lead role of PI.**

The Energy Independence and Security Act (EISA) of 2007 authorized \$50 million for the U.S. Department of Energy (DOE) to establish a robust program of research, development, demonstration and commercial application activities to expand marine and hydrokinetic renewable energy production. This Funding Opportunity Announcement (FOA) specifically addresses these EISA provisions. However, this FOA does not fully fund EISA-authorized activities because only \$10 million was appropriated to the Water Power budget in FY 2008. This FOA provides \$7.5 million in funding and DOE reserves the right to make one award, multiple awards, or no awards in any given topic area.

This multi-Topic Area FOA solicits partnerships with U.S. industry for the testing, demonstration, validation and development of advanced waterpower systems, through projects led by U.S. industry and universities. The purpose of this FOA is to advance the commercial viability, cost-competitiveness, and market acceptance of these novel systems.

For the purposes of this FOA, Advanced Water Power Technologies are defined as those technologies that demonstrate a capability of utilizing one or more of the following water resource categories for electricity generation:

1. Ocean waves;
2. Tides or ocean currents;
3. Free flowing water in rivers, lakes, streams or man-made channels;
4. Other water-based resources, including an improvement in the efficiency and/or environmental performance of conventional hydropower and electricity generation from differentials in ocean temperature.

Applicants will compete for DOE funding within the following Topic Areas:

1. Advanced Water Power Renewable Energy In-Water Testing and Development Projects
2. Marine and Hydrokinetic Renewable Energy Market Acceleration Projects
3. National Marine Renewable Energy Centers

Applicants may apply to more than one Topic Area provided they meet eligibility requirements as specified for each Topic Area (see "Eligibility Information"). An Applicant responding to multiple Topic Areas must provide separate, complete applications for each Topic Area. Each application should be clearly marked by Topic Area.

**Deadline: June 16, 2008**

<https://e-center.doe.gov/iips/faopor.nsf/UNID/7CA0728BFF68198E8525742C005FEFBC?>

[OpenDocument](#)

### **Integrated Research, Education, and Extension Competitive Grants Program: Conservation Effects Assessment Project**

CSREES requests applications for the Integrated Research, Education, and Extension Competitive Grants Program - Conservation Effects Assessment Project (CEAP) for fiscal year (FY) 2008 to develop research and extension projects aimed at improving the watershed health of grazing land watersheds across the Nation. The goal of this program area is to build a knowledge base that can be used to evaluate the impacts of conservation projects and programs on grazing land watershed health, improve the management of grazing lands to achieve environmental goals and inform policy decisions.



**Deadline: June 17, 2008**

<http://www.csrees.usda.gov/fo/watershedconservationeffectsassessmcticgp.cfm>

### **Innovative and Integrative Approaches for Advancing Public Health Protection Through Water Infrastructure Sustainability**

The responsibility for providing safe drinking water and protecting water quality in the United States (US) is shared by EPA, states, tribal nations, local governments, and utilities/companies that supply drinking water and/or treat wastewater. To meet this obligation, the integrity of the conveyance systems used to transport drinking water and collect wastewater is paramount. Concerns about the age and condition of the existing water infrastructure have spawned a host of research questions associated with the reliability and sustainability of drinking water distribution and storage systems and wastewater collection systems and any potential associated health risks. In addition to age and/or attrition related infrastructure deterioration, shifts in population and the urban/suburban/rural landscape have led to changes in water use and wastewater generation patterns that impact the capacity and reliability of water conveyance systems. To reduce potential health risks and prevent potential environmental consequences associated with water infrastructure disruption, research is needed that can lead to improved reliability, integrity, cost-effectiveness, energy efficiency, and sustainability of drinking water distribution and wastewater collection systems. Promising innovative and integrative approaches are needed to decrease the likelihood of water infrastructure failures that can result from over-extension of the design lifespan and/or capacity, deterioration of pipelines and appurtenances, and/or changes in water-use or wastewater generation patterns.



The sustainability of our Nation's water infrastructure is a priority research area for EPA's Office of Research and Development (ORD) in support of the Agency's mission to protect public health and safeguard the environment. ORD's Research programs are designed to address critical environmental research needs and the Science to Achieve Results (STAR) grants program is integral to this effort. Research funded through this solicitation will complement on-going infrastructure research in ORD's Drinking Water (DWRP) and Water Quality (WQRP) Research Programs.

**Deadline: July 29, 2008**

[http://es.epa.gov/ncer/rfa/2008/2008\\_star\\_water.html#Synopsis](http://es.epa.gov/ncer/rfa/2008/2008_star_water.html#Synopsis)

### Opportunities for Promoting Understanding through Synthesis (OPUS)

Three clusters within the Division of Environmental Biology (the Ecological Biology, Ecosystem Science, and the Population and Evolutionary Processes clusters) encourage the submission of proposals aimed at synthesizing a body of related research projects conducted by a single individual or group of investigators over an extended period. OPUS proposals will often be appropriately submitted in mid-to-late career, but will also be appropriate early enough in a career to produce unique, integrated insight useful both to the scientific community and to the development of the investigator's future work. In cases where multiple scientists have worked collaboratively, an OPUS award will provide support for collaboration on a synthesis. OPUS awards will facilitate critical synthesis, and do so in a way that will acknowledge the prestige of this important component of scientific scholarship.



Synthesis is an essential component of scientific inquiry. Synthetic works—those that integrate information from numbers of studies—have historically been influential in describing the state of a field and in spawning new research directions. To encourage synthetic studies, the Ecological Biology, Ecosystem Science, and Population and Evolutionary Processes Clusters in the Division of Environmental Biology have established OPUS (Opportunities for Promoting Understanding through Synthesis).

OPUS supports investigators to synthesize the body of their research. OPUS awards target investigators who have, over time, produced important papers from a series of related research projects, but have not integrated that series into a synthetic work. OPUS will fund single or multiple investigators to synthesize the body of work they themselves have generated, but OPUS funds generally will not be provided for the production of new data or for synthesizing other investigators' research.

Support will be provided for syntheses by investigators at mid-to-late career stages, as well as by those early enough in a career to produce unique, integrated insight useful both to the scientific community and to the development of the investigator's future work. In some areas, multiple investigators may have collaborated throughout the history of a series of research projects. In these cases, support would enable two or more scientists to work collaboratively on a synthesis. We expect that OPUS awards will have the potential of generating critical synthesis, and do so in a way that will acknowledge the prestige of this important component of scientific scholarship.

**Deadline: July 16, 2008**

[http://www.nsf.gov/pubs/2008/nsf08559/nsf08559.htm?govDel=USNSF\\_25](http://www.nsf.gov/pubs/2008/nsf08559/nsf08559.htm?govDel=USNSF_25)

**HEALTH**

### Creativity and Aging in America



Creativity and Aging in America is an initiative of the National Endowment for the Arts designed to actively engage older Americans in quality arts programs. Through this initiative, the Arts Endowment will support exemplary projects in the disciplines of *literature and music*. *Projects must be conducted by professional artists and engage older adults as students, artists, and/or teachers.* For the purposes of these guidelines, older adults are age 65 and above.

Activities may take place in a variety of settings such as senior centers, community centers, retirement centers, museums, literary centers, performing arts centers, libraries, schools, and healthcare facilities. Projects must be planned in cooperation with the target population including local organizations that address aging-related issues.

Grants are for \$15,000 or \$25,000. Approximately fifteen grants will be awarded. All grants require a nonfederal match of at least 1 to 1.

Eligibility: Nonprofit, tax-exempt 501(c)(3), U.S. organizations; units of state or local government; or federally recognized tribal communities or tribes may apply. To be eligible, the applicant organization must:

- Meet the Arts Endowment's "Legal Requirements," including nonprofit, tax-exempt status, as detailed in the FY 2009 Grants for Arts Projects guidelines, at the time of application.
- Have a three-year history of arts programming prior to the application deadline.
- Have submitted acceptable Final Report packages by the due date(s) for all Arts Endowment award(s) previously received.

***Organizations are limited to one Creativity and Aging application per year. Due to the tight deadline, faculty interested in applying to this program need to contact Donna Stremke in ORSP, [dstremke@fgcu.edu](mailto:dstremke@fgcu.edu), on May 15.***

**Deadline: May 23, 2008**

<http://www.nea.gov/grants/apply/CreativityAging.html>

### **American Foundation for Suicide Prevention (AFSP) Grants**

Beginning Dec. 15, 2007, AFSP will accept and review applications for all categories of research grants and fellowships two times a year, with submission deadlines of Dec. 15 and June 15. In making these changes, the AFSP Scientific Council is seeking to make the Foundation's research grant program more responsive to time-sensitive topics with high relevance for suicide research, lessen the waiting time required for applicants to resubmit promising applications, and streamline the administrative processes related to grants review.

A second change approved by the Scientific Council is an increase in the grant amounts for Standard Research Grants (from a maximum of \$60,000 to \$75,000), Young Investigator Grants (from \$70,000 to \$85,000) and Pilot Grants (from \$20,000 to \$30,000). These changes will also go into effect beginning with the **Dec. 15, 2007** cycle. Distinguished Investigator Grants and Postdoctoral Research Fellowships will remain at their current levels of \$100,000.

AFSP offers five types of research grants:

- *Distinguished Investigator Grants* for up to \$100,000 over two years are awarded to investigators at the level of associate professor or higher with an established record of research and publication on suicide.
- *Standard Research Grants* for up to \$75,000 over two years are awarded to individual investigators at any level.
- *Young Investigator Grants* for up to \$85,000 over two years are awarded to investigators at the level of assistant professor or lower. In addition to a maximum of \$75,000 for the investigator's research, these grants provide an additional \$10,000 (\$5,000 per year) for an established suicide researcher who will mentor the Young Investigator.

- *Postdoctoral Research Fellowships* for up to \$100,000 over two years are awarded to investigators who have received a Ph.D., M.D., or other doctoral degree within the preceding six years and have not had more than three years of fellowship support. Fellows receive a progressive stipend of \$42,000 in the first year and \$46,000 in the second, with an institutional allowance of \$6,000 per year.
- *Pilot Grants* of up to \$30,000 over one or two years are awarded to investigators at any level. These grants provide seed money for new projects that have the potential to lead to subsequent larger investigations.

**Deadline: June 15, 2008**

[http://www.afsp.org/index.cfm?fuseaction=home.viewPage&page\\_id=0535FDA2-FA7D-AAE8-D7A9A6BCFFE3574B](http://www.afsp.org/index.cfm?fuseaction=home.viewPage&page_id=0535FDA2-FA7D-AAE8-D7A9A6BCFFE3574B)

**STEM**

### National Science, Technology, Engineering, and Mathematics Education Digital Library

This program aims to establish a national network of learning environments and resources for science, technology, engineering, and mathematics (STEM) education at all levels. The program has four tracks:



- *Pathways* projects are expected to provide stewardship for the content and services needed by major communities of learners.
- *Services* projects are expected to develop services that support users and resource collection providers that enhance the impact, efficiency, and value of the NSDL network.
- *Targeted Research* projects are expected to explore specific topics that have immediate applicability to collections, services, and other aspects of the development of the NSDL network.
- The *NSDL Resource Center* will provide collaboration assistance across all projects; undertake strategic partnership development on behalf of projects particularly with respect to non-academic entities; coordinate and, in some cases, perform thematic research and evaluation studies related to the program; synthesize findings across the portfolio; and disseminate findings of the accomplishments of the NSDL program.

In FY2008, within the first three tracks the program will accept **proposals for large grants** in 1) the *Pathways* track, 2) a new sub-track: *Pathways - Stage II*, and 3) specific sub-tracks of *Services* - including a single *Technical network services* project to provide technical infrastructure support across the NSDL network. In all tracks, except for the *NSDL Resource Center*, the program will also accept **proposals for small grants** that extend or enhance results from existing services, collections, or targeted research activity so as to enlarge the user audience for the NSDL network or improve capabilities for the user.

**Deadline: May 27, 2008**

[http://www.nsf.gov/funding/pgm\\_summ.jsp?pims\\_id=5487](http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=5487)

## Homeland Security Science, Technology, Engineering, and Mathematics (HS-STEM) Career Development Grants

The Department of Homeland Security (DHS) Science and Technology Directorate (S&T) invites applications from colleges and universities with established homeland security-related science, technology, engineering and mathematics (HS-STEM) curricula in the research areas listed below to establish scientific career development awards to students in priority HS-STEM programs of study. DHS intends to establish an HS-STEM Career Development grants (CDG) program to enable colleges and universities to award scholarships and fellowships to qualified undergraduate and graduate students in HS-STEM disciplines who intend to pursue homeland security professional and scientific careers.



Recipients of the scholarships and fellowships must major in a STEM discipline or either minor in an HS-STEM research area, receive a certificate in an HS-STEM research area or declare their concentration in an HS-STEM research area from their home institution. Research areas eligible for support include:

Explosives Detection, Mitigation and Response;  
Social, Behavioral, and Economic Sciences;  
Risk and Decision Sciences;  
Human Factors Aspects of Technology;  
Chemical Threats and Countermeasures;  
Biological Threats and Countermeasures;  
Food and Agriculture Security;  
Transportation Security;

Border Security;  
Immigration Studies;  
Maritime and Port Security;  
Infrastructure Protection;  
Natural Disasters and Related Geophysical Studies;  
Emergency Preparedness and Response;  
Communications and Interoperability;  
Advanced Data Analysis and Visualization.

***Each institution may submit only one application per department. Institutions may submit applications from different departments. However, only one grant will be awarded to one department in each winning institution, and only for research in one of the sixteen HS-STEM areas listed above.*** DHS intends to give preference to institutions included in the existing DHS Homeland Security Centers of Excellence program and its affiliated academic institutions (for a list see <http://www.dhs.gov/xres/programs>) because it is both efficient and appropriate to train the next generation of scientists and HS-STEM professionals through research and education programs already funded by DHS to meet its HS-STEM needs.

As part of its mission, DHS S&T is responsible for developing scientific research and technology programs to protect the Nation from terrorist threats and the consequences of natural disasters. DHS S&T is also responsible for supporting United States leadership in science and technology. To ensure homeland security research programs continue into the future, DHS S&T will support grants to qualified undergraduate and graduate students in homeland security-related fields who will use their education and training to become the next generation of scientists and technology leaders. These grants will support the best programs that will train future homeland security-oriented scientists and technologists and ensure their placement in HS-STEM careers.

**Deadline: May 16, 2008**

<http://www07.grants.gov/search/search.do?&mode=VIEW&flag2006=false&oppId=41255>

### Faculty Early Career Development Program

**CAREER:** The NSF Faculty Early Career Development Program offers NSF's most prestigious awards in support of junior faculty who exemplify the role of teacher-scholars through outstanding research, excellent education and the integration of education and research within the context of the mission of their organizations. Such activities should build a firm foundation for a lifetime of leadership in integrating education and research. NSF encourages submission of CAREER proposals from junior faculty members at all CAREER-eligible organizations and especially encourages women, members of underrepresented minority groups, and persons with disabilities to apply.



**Deadline: July 22, 2008**

[http://www.nsf.gov/funding/pgm\\_summ.jsp?pims\\_id=503214](http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=503214)

### Scholarships in Science, Technology, Engineering & Mathematics (S-STEM)

The National Science Foundation (NSF) Scholarships in Science, Technology, Engineering and Mathematics (S-STEM) program provides institutions with funds for student scholarships to encourage and enable academically talented but financially needy students to enter the workforce following completion of an associate, baccalaureate or graduate degree in fields of science, technology, engineering or mathematics (STEM).



S-STEM grants may be made for up to five years (four scholarship years and an optional initial planning period) and may provide individual scholarships of up to \$10,000 per year, depending on financial need. Grantee institutions may elect to support individual student scholars for four years or may elect to support several cohorts of students for a shorter duration within the award period.

Students to be awarded scholarships must demonstrate academic talent and financial need. In addition, they must be U.S. citizens, permanent residents, nationals or refugees. Approximately \$50 million-\$70 million is expected to be available to support approximately 90-130 new S-STEM awards. Awards are normally not expected to exceed \$600,000 in total. Annual budgets are limited to \$225,000. The award duration may be up to five years.

***An institution may submit one proposal from each constituent college or school that awards eligible degrees.***

Optional Letters of Intent are due at NSF on **July 10, 2008** with full applications due **August 12, 2008**.

<http://www.nsf.gov/pubs/2007/nsf07524/nsf07524.htm>