

# Research News

October 20, 2007

Volume 29, No. 2

**Office of Sponsored Programs and Research  
Cleveland State University**  
<http://www.csuohio.edu/uored/index.html>

## **Office Of Sponsored Programs & Research Announcements**

### **CSU Nance College Earns ED Grant to Build Global Programs**

Crain's Cleveland Business reported on September 25<sup>th</sup> that the CSU Nance College of Business Administration received a grant from the US Department of Education for \$165,000 grant to create global business programs with an entrepreneurial focus. Nance has received two other such grants from ED. Aside from the business programs, Nance will apply the funds toward the creation of "a Global E-Commerce Certificate Program". That program will draw together several countries and universities and will help to establish the Nance Global Business Innovation Lab. The lab will be a focal place where students and faculty can provide market research and business assistance for companies. In addition, the grant will enable Nance to launch its Global Entrepreneurship Symposium which it intends to present in partnership with the Great Lakes Regional Consortium of Business Schools. The symposium will study "entrepreneurship's role in the global marketplace". Finally, the grant will help the college to create an international network of internships. Congratulations to the staff and leadership at Nance!

### **Fulbright 2007-08 US and Visiting Scholars Directory**

**Fulbright Program** ([www.cies.org](http://www.cies.org))

Date Available: Monday, October 15, 2007

URL: [http://www.cies.org/schlr\\_directories/](http://www.cies.org/schlr_directories/)

The directories are now available online, and printed copies of the directory will be mailed to the Fulbright campus representatives (OSPR) by the end of October. The Visiting Scholar program provides experts to universities, colleges, and communities at little to no cost. This is a very exciting, viable, and practical Fulbright program that enhances curriculum and programs and provides both students and the greater community with world-class state-of-the-discipline knowledge. Please take a moment to visit the above URL or contact Christine Sell if you have questions, [c.sell@csuohio.edu](mailto:c.sell@csuohio.edu), Ext. 3625.

### **NSF Notice No. 130: Transformative Research**

**National Science Foundation** ([www.nsf.gov](http://www.nsf.gov))

URL: [http://www.nsf.gov/publications/pub\\_summ.jsp?ods\\_key=in130](http://www.nsf.gov/publications/pub_summ.jsp?ods_key=in130)

On September 25, 2007, National Science Foundation (NSF) issued this announcement:  
"National Science Foundation

Office of the Director  
Arlington, Virginia 22230

Important Notice to Presidents of Universities and Colleges and Heads of Other National Science Foundation Awardee Organizations

Subject: Transformative Research

At the 399th meeting of the National Science Board (Board), the Board unanimously approved a motion to enhance support of transformative research at the NSF. Additionally, the Board approved a change to the Intellectual Merit Review Criterion specified in Part I of the NSF Proposal & Award Policies & Procedures Guide: the Grant Proposal Guide to specifically include review of the extent to which a proposal also suggests and explores potentially transformative concepts. . . ."

Read the full announcement at the above URL or read the full text of the merit review criteria, (Chapter III, GPG): [http://www.nsf.gov/publications/pub\\_summ.jsp?ods\\_key=gpg](http://www.nsf.gov/publications/pub_summ.jsp?ods_key=gpg).

## **MPS Brochure Available**

**The National Science Foundation** ([www.nsf.gov](http://www.nsf.gov))

URL: [http://www.nsf.gov/publications/pub\\_summ.jsp?ods\\_key=nsf07057](http://www.nsf.gov/publications/pub_summ.jsp?ods_key=nsf07057)

The NSF Directorate for Mathematical and Physical Sciences (MPS) Brochure 2007 is now available (NSF 07-057) for download. Visit the above URL to download a copy.

## **NIH Eliminates Paper Notification of Notice of Award Letters**

**National Institutes of Health** ([www.nih.gov](http://www.nih.gov))

NIH Announcement Number: (NOT-OD-08-002)

URL: <http://grants.nih.gov/grants/guide/notice-files/NOT-OD-08-002.html>

The National Institutes of Health Grants Management office has announced that effective January 1, 2008, NIH will no longer provide paper notification of the Notice of Award letters (NoA) but instead will issue the NoA solely via e-mail to grantee organizations. The electronic NoA will be accessible in eRA Commons through the "Status" module. Thus, NIH will require that all award recipients have access to e-mail so that the NoA may be transmitted electronically. NIH advises that institutions registered in eRA Commons verify that the correct e-mail address is on file or take the necessary steps to edit or add the appropriate e-mail address.

## **Blue Ribbon Task Force on Sustainable Digital Preservation and Access**

**The National Science Foundation (NSF)** ([www.nsf.gov](http://www.nsf.gov))

**The Andrew W. Mellon Foundation** ([www.mellon.org](http://www.mellon.org))

**The Library of Congress** ([www.loc.gov](http://www.loc.gov))

**The National Archives and Records Administration** ([www.nara.gov](http://www.nara.gov))

**The Council on Library and Information Resources** ([www.clir.org](http://www.clir.org)) and

**The Joint Information Systems Committee of the United Kingdom** ([www.jisc.ac.uk](http://www.jisc.ac.uk))

Source: <http://newsbreaks.infotoday.com/wndReader.asp?ArticleId=39672>

The above-named partners have formed a task force that will "address the issue of economic sustainability for digital preservation and persistent access." The co-chairs are Fran Berman, who is considered a leading authority in data cyber-infrastructure and is currently the director of the San Diego Supercomputer Center (University of California–San

Diego) and Brian Lavoie, an economist with strong interests in data preservation and research scientist with OCLC Programs and Research, OCLC Online Computer Library Center, Inc. Over the next two years, the task force will perform certain critical functions. First, the chairs will staff it with the international experts who will then develop "actionable recommendations on economic sustainability of digital information for the science and engineering, cultural heritage, public and private sectors". Over the 24-month period, the task force will "gather testimony from a broad set of thought leaders in preparation for the task force's final report". It is expected that the full report will include a comprehensive review and analysis of current issues and provide recommendations for the future to ensure the "development of sustainable resource strategies for the reliable preservation of digital information". An anticipated benefit derived from the task force will be an expected wealth of literature comprising mostly articles that will explore the "challenges and opportunities of digital information preservation, for both the scholarly community and the public".

## University Publishers Drop Suit Against Feds

It has been announced in a statement from the Association of American University Presses and (along with other publishing groups) that university presses and other publishers have dropped the lawsuit against US Treasury Department. Treasury has eliminated those rules which required publishers of works from "enemy nations" (i.e. Cuba, Iran, etc.) to obtain government permission before publishing. The publishers are not in agreement with the continued governmental interference by federal officials into matters of publishing books, but they have said that since Treasury finally has revised its interpretations of federal rules the coalition is amenable to settlement. Read the full statement at [www.aaupnet.org/ofac/release100107.html](http://www.aaupnet.org/ofac/release100107.html) which explains the coalition's position and provides "details of the case and . . . examples of some of the works that had been affected by the dispute."

## The State of the Paper Industry

**The Environmental Paper Network (EPN)** ([www.environmentalpaper.org](http://www.environmentalpaper.org))

URL: [www.environmentalpaper.org/stateofthepaperindustry](http://www.environmentalpaper.org/stateofthepaperindustry)

The Environmental Paper Network (EPN), a diverse group of environmental organizations joined together to support socially and environmentally sustainable transformations within the pulp and paper industry, released a report detailing the environmental impacts of the paper industry. *The State of the Paper Industry* is the first comprehensive report addressing fiber sourcing, recycling, consumption, paper production, and the paper industry's impact on communities and the climate crisis. According to the EPN the paper industry has begun to focus on responsible actions and products in an effort to prevent climate changes and to restore health to forests and environments. The report details "a baseline of environmental data for monitoring real progress and identifying real leaders in years to come." Findings include that the industry continues to have "far-reaching, negative environmental impacts":

- The paper industry is the fourth largest contributor to greenhouse gas emissions among United States manufacturing industries.
- Paper accounts for 25% of landfill waste, the largest of any single component.
- Paper production accounts for over 40% of the world's industrial wood harvest
- Paper production is one of the world's largest consumers and polluters of fresh water
- Paper production continues to come into conflict with indigenous and other communities around the world over land rights, culture, human health, and livelihoods

However, innovated practices coupled with an emerging new cultural shift are providing many environmental opportunities. For example, "State of the Industry" documents how an industry known for forest degradation, toxic pollution, and resistance to change is starting to shift awareness and practices towards:

- Responsible Forestry - every day more companies embrace Forest Stewardship Council (FSC) certification, but unsustainable forestry practices still prevail around the world and are getting worse in places like the global South.
- Recycling - more companies continue to increase the use of recycled paper in their products, but improvements in paper recovery and investments in infrastructure are sorely needed.
- Reduction - more companies getting savvier about reducing paper use, but at the same time, some heavy paper consuming sectors continue to drastically over-consume paper.
- Clean production - there is a greater emphasis on reducing chlorine bleach and toxic emissions, but the paper industry as a whole has not embraced many of the best practices.
- Global warming - there is a greater awareness of the climate crisis, but in general, there has been a lack of movement from industry to address this critical issue.
- Human impacts - some First Nations and progressive paper companies are working together, but exploitation of native people around the world continues at a dizzying pace.

Download the report at the above URL. For more information please contact:

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## **Carnegie Corporation of New York Alters Funding Strategies**

**Carnegie Corporation of America** ([www.carnegie.org](http://www.carnegie.org))

URL: <http://www.carnegie.org/sub/news/integrated.html>

Carnegie Corporation of New York was created by Andrew Carnegie in 1911 to promote "the advancement and diffusion of knowledge and understanding." For more than 95 years the Corporation has carried out Carnegie's vision of philanthropy by building on his two major concerns: international peace and advancing education and knowledge. As a private grantmaking foundation, the Corporation will invest more than \$100 million this year in nonprofits to fulfill Mr. Carnegie's mission, "to do real and permanent good in this world." The Corporation's capital fund, originally donated at a value of about \$135 million, had a market value of approximately \$3 billion on September 30, 2007.

The foundation announced on October 1 that it has revised its grantmaking priorities and moved the emphases and approaches of its various program. At the same time, the foundation was quick to assure its commitment to the "primary concerns to which founder Andrew Carnegie devoted the foundation: international peace and advancing education and knowledge".

Part of the restructuring has involved the integration under two major funding areas of many smaller programs, allowing the foundation to become more "focused, innovative and responsive to changing needs". CCNY has created a National and an International program which the foundation believes will allow it to make strategic investments that are more structured and focused. Under this same guidance, the foundation will bring to a close some long-standing programmatic investments because CCNY feels the goals have been met. In addition to the National and International program areas, the Corporation will expand an initiative to revitalize journalism education; establish a special initiative which offers the foundation flexibility to invest in new opportunities outside of the major programs; and continue to fund a dissemination program that advances the work of the two major programs. Programmatic overviews and Meeting the Challenges of the 21st Century, CCNY's President's Vartan Gregorian's essay presenting the Corporation's vision for the next five years, are available on the web site. "The revised programs build upon the Corporation's strength as an incubator of ideas, a convener of scholars, educators, policymakers and others, and as a strategic investor in organizations and institutions that can demonstrably contribute to the betterment of our society," Gregorian said.

### **The Programs**

**International Program grants** will focus on reducing direct threats to international peace and security while also investing in international development by supporting institutions and individuals in sub-Saharan Africa and Eurasia, two regions of long-standing Corporation involvement. The foundation's program on the nonproliferation of bio-weapons and its investments in Russian higher education will be brought to a close. Work that had concentrated on US relations with Russia and Eurasia will now assume a more global scope and a new funding priority jointly managed with the National Program will increase awareness about the diversity of the Islamic world and US engagement with it.

**The National Program** will support the revitalization of democracy by funding new pathways both to educational and economic opportunity; and to citizenship, civic participation and integration in a pluralistic society. The National Program will also focus on integrating immigrants into US culture and society by funding opportunities for civic education to increase Americans' understanding about and tolerance of new and growing immigrant cultures. The Corporation will continue to support the Carnegie Scholars program, which was initiated in 1999 to introduce scholarly perspectives into national and international conversations about the Corporation's priority issues. For the past four years, Scholars have contributed to public awareness of the values and forces that shape Islam as a religion and social movement. The Corporation will bring to an end its program in campaign finance reform and will refocus its program in adolescent literacy.

### **The Initiatives**

CCNY supports a dissemination program, re-established in 2000, hopes to amplify and reinforce the foundation's grantmaking and to support capacity building programs that will advance the work of its grantees. In addition CCNY has re-confirmed its commitment to an initiative which focuses on revitalizing journalism education in the United States. The foundation sees a vital need to assist reporters in acquiring "expertise that will enhance coverage of complex subjects, understand the languages and cultures of distant parts of the world and appreciate the ethical dimensions of their work," said Susan King, Vice President, External Affairs, Director, Journalism Initiative, Special Initiatives and Strategy. "Grants to graduate programs at top research universities support curricular innovation and experimentation to help prepare journalists capable of reshaping the news industry to better meet the more complex needs of a knowledge-based society." For further information contact the foundation's Office of Public Affairs at 212-207-6273.

## ***Federal RFP's***

### **NJ FY08 Less Lethal Technologies**

**United States Department of Justice** ([www.usdoj.gov](http://www.usdoj.gov))

**Office of Justice Programs**

**National Institute of Justice**

Funding Opportunity Number: 2008–NIJ–1707  
Deadline: November 14, 2007,  
11:59PM Eastern time

URL: <http://www.ncjrs.gov/pdffiles1/nij/sl000810.pdf>

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 proposals to inform its search for the knowledge and tools to guide policy and practice.

In this solicitation, NIJ seeks applications for research and development leading to the adoption into practice of safer, more effective less lethal devices by law enforcement and corrections agencies. Such devices are designed for use by law enforcement and corrections officers when:

- Lethal force is not appropriate
- Lethal force is justified, but lesser force may be effective, or
- Lethal force is justified, but its use could cause injury to bystanders or damage to property or the environment.

Such devices may achieve the desired effect by temporarily incapacitating, confusing, or delaying an individual. NIJ is interested in both development of such devices and in necessary underlying research leading to such development. Full details are at the above URL.

#### Contact

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## **Software for Real-World Systems (SR)**

**National Science Foundation** ([www.nsf.gov](http://www.nsf.gov))

**Directorate for Computer and Information Science and Engineering (CISE)**

Program Solicitation NSF 07-599

Full Proposal Deadline(s) (due by 5 p.m. proposer's local time):  
January 17, 2008

Letters of Intent: Not Applicable

Full Proposals: Full Proposals submitted via FastLane or Grants.gov  
Grant Proposal Guide (GPG) Guidelines apply

Estimated Number of Awards: 12 to 20

Anticipated Funding Amount: \$10,000,000 -- pending availability of funds

Number of Proposals/Organization: No Limit Specified

Number of Proposals per PI: 2 – See Below

Cost Sharing Requirements: Cost Sharing is not required by NSF

Indirect Cost (F&A) Limitations: Not Applicable

CFDA Number(s): 47.070 --- Computer & Information Science & Engineering

URL: <http://www.nsf.gov/pubs/2007/nsf07599/nsf07599.htm>

NSF seeks innovative proposals that consciously pursue a "rethinking of the science and engineering of software for real-world systems – from the basic concepts of design, evolution, and adaptation to the integration of human capabilities." Emerging technologies, such as multi-core processors and pervasive computing, heighten the urgency for new thinking as we build software for future systems. While software's role in governing overall system behavior can ultimately determine success or failure, the science and engineering of designing and building software for real-world systems remain elusive and poorly understood. NSF sees software as a critical element in a wide array of "real-world systems". This RFP seeks proposals from multi-investigator teams or single investigators who will integrate diverse ideas and novel approaches in the design, development, and use of software for real-world systems. SRS applies to micro- and nano-scale embedded devices in highways, household appliances, and medical devices as well as continental- and global-scale critical infrastructures, such as communications and electrical power grids and transportation, health care systems and enterprise systems. NSF/CISE is calling for researchers to discover, define, and apply new scientific principles, engineering processes and methods, and educational pedagogy to the design, development, and use of software for real-world systems.

The Software for Real-World Systems Program specifically intends to bridge and transcend CISE disciplines by encouraging collaborations that might include any of the sub-disciplines of computer and information science and engineering (e.g., a new logic for reasoning about software systems complexity) to answer the question: How can software for real-world systems be designed, built, and analyzed in elegant and powerful new ways? Collaborative activities that include researchers from both the foundations of software (including for example, programming languages, formal methods, and software engineering) community and the computer and network systems community are encouraged.

An investigator may participate as a PI, co-PI, or Senior Personnel in at most two SRS proposals, but may participate in no more than one proposal as a single investigator. In other words, if an investigator participates in more than one proposal, at least one of the proposals must be a multi-investigator team project. Proposals that do not comply with this condition will be returned without review; it is therefore strongly advised that all project personnel check with their colleagues to ensure that all participants are in compliance. Applications may be submitted via FastLane or Grants.gov but in either case they must comply with the NSF Grant Proposal Guide (GPG). The complete text of the GPG is available on the NSF website at: [http://www.nsf.gov/publications/pub\\_summ.jsp?ods\\_key=gpg](http://www.nsf.gov/publications/pub_summ.jsp?ods_key=gpg). In addition applicants who use Grants.gov will want to refer to the NSF Grants.gov Application Guide on the NSF website at: <http://www.nsf.gov/bfa/dias/policy/docs/grantsgovguide.pdf>

#### Contacts

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## **Instrumentation for Materials Research (IMR)**

**National Science Foundation**

**Directorate of Mathematical and Physical Sciences**

**Division of Materials Research**

Program Solicitation NSF 07-600: Replaces NSF 05-522  
 Full Proposal Deadline(s): January 10, 2008 (due by 5 p.m. proposer's local time):  
 Second Thursday in January, Annually Thereafter

Estimated Number of Awards: 20 to 25  
 Anticipated Funding Amount: \$4,000,000 in FY 2008 -- Subject to change annually  
 depending on the availability of funds  
 Minimum award size: \$100,000 for PhD-granting institutions and  
 \$50,000 for non-PhD granting institutions  
 Duration of the award: One to three years (typically)  
 Cost Sharing Requirements: Cost Sharing is not required by NSF  
 Indirect Cost (F&A) Limitations: Not Applicable  
 Other Budgetary Limitations: Other budgetary limitations apply; see the full  
 announcement  
 Eligibility Information: (see Section IV for additional eligibility information)  
 Organization Limit: Proposals may only be submitted by US academic  
 institutions of higher education, independent non-profit  
 research organizations, research museums, and legally  
 incorporated consortia thereof  
 PI Limit: None Specified  
 Proposals per Organization: No limit specified  
 Number of Proposals per PI: Only one proposal may be submitted by a principal  
 investigator, and he/she may collaborate in only one  
 other proposal as a co-investigator.  
 CFDA Number(s): 47.049 --- Mathematical and Physical Sciences  
 URL: <http://www.nsf.gov/pubs/2007/nsf07600/nsf07600.htm>

The Instrumentation for Materials Research (IMR) program in the Division of Materials Research (DMR) is designed to provide advanced capability for discovery, observation, characterization, fabrication and testing to the nation's scientists and engineers who are endeavoring to conduct research and educational activities in all areas normally supported by DMR. The Division supports a wide range of programs addressing fundamental phenomena in materials, materials synthesis and processing, structure and composition, properties and performance, and materials education. DMR plays a significant role in various NSF-wide interdisciplinary initiatives and programs.

The IMR Program supports the acquisition and/or development of research instruments that will provide new capability and/or advance current capability to:

- (1) discover fundamental phenomena in materials;
- (2) synthesize, process, and/or characterize the composition, structure, properties, and performance of materials; and
- (3) improve the quality, expand the scope, and foster and enable the integration of research and education in research-intensive environments.

Full Proposals may be submitted via FastLane and must follow the NSF Grant Proposal Guide (GPG) available at: [http://www.nsf.gov/publications/pub\\_summ.jsp?ods\\_key=gpg](http://www.nsf.gov/publications/pub_summ.jsp?ods_key=gpg). Full Proposals may be submitted via Grants.gov and must follow the "NSF Guide for Preparation and Submission of NSF Applications via Grants.gov Guidelines" available on the NSF website at: <http://www.nsf.gov/bfa/dias/policy/docs/grantsgovguide.pdf/>.

Contact  
 Charles Bouldin, Program Director (IMR), 1065 N

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## **Research and Evaluation on Education in Science and Engineering (REESE)**

### **National Science Foundation**

#### **Directorate for Education & Human Resources**

Program Solicitation	NSF 07-595 (Replaces NSF 06-609)
Letter of Intent Due Date(s) ( <i>optional</i> ):	November 05, 2007optional
Full Proposal Deadline(s)	January 8, 2008 (due by 5 p.m. proposer's local
Estimated Number of Awards:	25 to 35
	About 10-15 Knowledge Diffusion awards, 10-15 Empirical awards 4 Large Empirical awards, and 1 Diffusion and Evaluation award
Anticipated Funding Amount:	\$30,000,000 pending availability of funds The
Maximum awards and durations:	Knowledge Diffusion projects - \$250,000 with duration of up to two years Empirical Research projects is \$1,000,000 with duration of up to three years Large Empirical Research projects is \$2,000,000 with duration of up to five years Diffusion and Evaluation project is \$5,000,000 up to five years
Organization Limit:	None Specified
PI Limit:	None Specified
Limit Proposals per Organization:	None Specified
Limit Proposals per PI:	None Specified
Cost Sharing Requirements:	Cost Sharing is not required by NSF
Indirect Cost (F&A) Limitations:	Not Applicable
Other Budgetary Limitations:	Not Applicable
CFDA Number(s):	47.076 --- Education and Human Resources

URL: <http://www.nsf.gov/pubs/2007/nsf07595/nsf07595.htm>

The Division of Research on Learning in Formal and Informal Settings (DRL) in the Directorate for Education and Human Resources (EHR) of the National Science Foundation (NSF) supports basic and applied research and evaluation that enhances science, technology, engineering and mathematics (STEM) learning and teaching. The Research and Evaluation on Education in Science and Engineering (REESE) program aims at advancing research at the frontiers of STEM learning, education, and evaluation, and at providing the foundation knowledge necessary to improve STEM teaching and learning at all educational levels and in all settings. REESE advances its mission by developing an interdisciplinary research portfolio focusing on core scientific questions of learning in real and emerging educational contexts, from childhood through adulthood, and from before school through to graduate school and beyond into the workforce. In addition, research questions related to education and evaluation are central to the REESE activity. The goals of the REESE program are to:

- (1) advance discovery and innovation at the frontiers of STEM learning, education, and evaluation;
- (2) stimulate the field to produce high quality and robust research results through the advancement of theory, method, and human resources; and
- (3) help coordinate advances in education, learning research, and evaluation efforts.

This solicitation calls for four types of proposals—Knowledge Diffusion, Empirical Research, Large Empirical Research, and Diffusion and Evaluation. The proposal types allowable under this solicitation have been updated to enable more flexible mechanisms for conducting research relevant to this program (see Section II. D). The proposal types now include the following:

- *Knowledge Diffusion proposals* are small projects for the synthesis of existing knowledge on a topic of critical importance to STEM learning and education or for the diffusion of research based knowledge. Formerly known as "synthesis" proposals, this proposal type has been expanded to include more forms of knowledge diffusion. The maximum award size for knowledge diffusion projects is \$250,000 for duration of up to two years.
- While *Empirical Research proposals* remain unchanged, REESE has now added *Large Empirical Research proposals* for complex projects focused on important issues in STEM learning. The projects could involve teams of multi-disciplinary experts working on conceptually related projects, or they might be longitudinal or randomized control studies of large samples of participants. The maximum award for Large Empirical Research projects is \$2,000,000 with a duration of up to five years.
- *REESE Diffusion and Evaluation proposals* are new to REESE and should provide technical assistance for projects on research methods and analysis procedures, synthesize findings across the REESE portfolio of projects, perform special evaluative studies, and disseminate findings. Maximum award size for diffusion and evaluation projects is \$5,000,000 for duration up to five years. REESE will fund up to one award of this type.

Full Proposals submitted via FastLane must follow the Grant Proposal Guide available at: [http://www.nsf.gov/publications/pub\\_summ.jsp?ods\\_key=gpg](http://www.nsf.gov/publications/pub_summ.jsp?ods_key=gpg). Full Proposals submitted via Grants.gov must follow the NSF Grants.gov Application Guide: A Guide for the Preparation and Submission of NSF Applications via Grants.gov Guidelines apply available at <http://www.nsf.gov/bfa/dias/policy/docs/grantsgovguide.pdf/>.

#### Contact

Address questions to the REESE Program

Telephone: (703)292-8650

E-mail: [DRLREESE@nsf.gov](mailto:DRLREESE@nsf.gov)

## Sustainable Digital Data Preservation and Access Network Partners (DataNet)

National Science Foundation (NSF) ([www.nsf.gov](http://www.nsf.gov))

Office of Cyber-infrastructure

Directorate for Computer & Information Science & Engineering

Deadlines:

**Required Preliminary Proposals:**

January 07, 2008

October 06, 2008

**Full Proposal Target Dates:**

March 21, 2008

Number of Awards:

5 (anticipated)

Funding Amount:

\$100,000,000 (anticipated over five years (availability is contingent on the quality of proposals received and pending the availability of funds))

CFDA Numbers:                   47.070 -- Computer and Information Science and Engineering  
                                          47.080 -- Office of Cyber-infrastructure

URL : [http://www.nsf.gov/publications/pub\\_summ.jsp?ods\\_key=nsf07061](http://www.nsf.gov/publications/pub_summ.jsp?ods_key=nsf07061)

Science and engineering research and education are increasingly digital and increasingly data-intensive. Digital data are not only the output of research but provide input to new hypotheses, enabling new scientific insights and driving innovation. Therein lays one of the major challenges of this scientific generation: how to develop the new methods, management structures and technologies to manage the diversity, size, and complexity of current and future data sets and data streams. This solicitation addresses that challenge by creating a set of exemplar national and global data research infrastructure organizations (dubbed DataNet Partners) that provide unique opportunities to communities of researchers to advance science and/or engineering research and learning.

The new types of organizations envisioned in this solicitation will integrate library and archival sciences, cyberinfrastructure, computer and information sciences, and domain science expertise to:

- provide reliable digital preservation, access, integration, and analysis capabilities for science and/or engineering data over a decades-long timeline;
- continuously anticipate and adapt to changes in technologies and in user needs and expectations;
- engage at the frontiers of computer and information science and cyberinfrastructure with research and development to drive the leading edge forward; and
- serve as component elements of an interoperable data preservation and access network.

By demonstrating feasibility, identifying best practices, establishing viable models for long term technical and economic sustainability, and incorporating frontier research, these exemplar organizations can serve as the basis for rational investment in digital preservation and access by diverse sectors of society at the local, regional, national, and international levels, paving the way for a robust and resilient national and global digital data framework.

These organizations will provide:

- a vision and rationale that meet critical data needs, create important new opportunities and capabilities for discovery, innovation, and learning, improve the way science and engineering research and education are conducted, and guide the organization in achieving long-term sustainability;
- an organizational structure that provides for a comprehensive range of expertise and cyberinfrastructure capabilities, ensures active participation and effective use by a wide diversity of individuals, organizations, and sectors, serves as a capable partner in an interoperable network of digital preservation and access organizations, and ensures effective management and leadership; and
- activities to provide for the full data management life cycle, facilitate research as resource and object, engage in computer science and information science research critical to DataNet functions, develop new tools and capabilities for learning that integrate research and education at all levels, provide for active community input and

participation in all phases and all aspects of Partner activities, and include a vigorous and comprehensive assessment and evaluation program.

Potential applicants should note that this program is not intended to support narrowly-defined, discipline-specific repositories. Full details are available at the above URL.

#### Contacts

Chris Greer, Telephone: (703) 292-8970, E-mail: [cgreer@nsf.gov](mailto:cgreer@nsf.gov)  
Sylvia Spengler, Telephone: (703) 292-8930, E-mail: [sspengle@nsf.gov](mailto:sspengle@nsf.gov)  
Lucy Nowell, Telephone: (703) 292-8970, E-mail: [lnowell@nsf.gov](mailto:lnowell@nsf.gov)

## Annual Notice Renewal and Supplemental Applications for Office of Science Grants and Cooperative Agreements

**US Department of Energy (DOE)** ([www.doe.gov](http://www.doe.gov))

**SC - Office of Science (SC)** ([www.science.doe.gov/](http://www.science.doe.gov/))

Funding Opportunity Number: DE-PS02-08ER08-02  
Deadline: September 30, 2008 by 8:00 PM ET  
Eligible Applicants: Unrestricted - subject to any clarification in the text field "Additional Information on Eligibility"  
Cost Sharing: No  
CFDA Number: 81.049  
URL: <https://e-center.doe.gov/iips/faopor.nsf/UNID/DEF4C779762FDADC852573690047A7EC?>

The Office of Science (SC) of the Department of Energy (DOE) hereby announces its continuing interest in receiving renewal and supplemental grant and cooperative agreement applications for support of work in the following program areas: Basic Energy Sciences, High Energy Physics, Nuclear Physics, Advanced Scientific Computing Research, Fusion Energy Sciences, Biological and Environmental Research, and Planning and Analysis. Applications are submitted via Grants.gov.

#### Contact

Martin Rubinstein  
Telephone: 301-903-4946  
E-mail: [Martin.Rubinstein@science.doe.gov](mailto:Martin.Rubinstein@science.doe.gov)  
Or  
Marilyn Oyler  
Telephone: 301-903-3604  
E-mail: [marilyn.oyler@science.doe.gov](mailto:marilyn.oyler@science.doe.gov)

## Continuation of Solicitation for the Office of Science Financial Assistance Program

**US Department of Energy (DOE)** ([www.doe.gov](http://www.doe.gov))

**Office of Science (SC)** ([www.science.doe.gov/](http://www.science.doe.gov/))

Funding Opportunity Number: DE-PS02-08ER08-01  
Deadline: September 30, 2008 by 8:00PM ET  
Cost Sharing: No  
Estimated Total Funding Available: \$400,000,000  
Eligible Applicants: Unrestricted - subject to any clarification in the text field "Additional Information on Eligibility"

CFDA Number: 81.049

URL: <https://e-center.doe.gov/iips/faopor.nsf/UNID/40E56992874167AC852573690049C661?OpenDocument>

The Office of Science of the Department of Energy hereby announces its continuing interest in receiving grant applications for support of work in the following program areas: Basic Energy Sciences, High Energy Physics, Nuclear Physics, Advanced Scientific Computing, Fusion Energy Sciences, Biological and Environmental Research, and Workforce Development for Teachers and Scientists.

Contact

Lori Jernigan

Telephone: 301-903-5212

E-mail: [Lori.Jernigan@science.doe.gov](mailto:Lori.Jernigan@science.doe.gov)

## **NASDAQ Educational Foundation Grants**

**NASDAQ Educational Foundation** ([www.nasdap.com/services](http://www.nasdap.com/services))

1801 K St NW, 8th Fl

Washington, DC 20006

Deadline: March 1 or September 1

Award Amount: \$15,000 maximum dissertation fellowships

URL: <http://www.nasdaq.com/services/educationinitiatives.stm>

The foundation seeks grants proposals that advance its mission of financial markets literacy through: educational projects or programs, university campus trading labs, curriculum development, academic study or research, and PhD dissertation fellowships (examples of appropriate topics--capital formation, free market economy, the function and operation of securities markets, investing/finance, and business/entrepreneurship). Targeted audiences include high school students, college and university communities, middle school students, and adults. Guidelines and instructions are available online. Proposals are accepted from not-for-profit educational institutions and organizations and specifically qualified individuals, for the purpose of conducting independent academic study or research on financial markets. There are no geographic limitations on who may apply. Categories of interest include curriculum development; financial education; higher education; research participation; and student support, including dissertation support.

Contact

Grants Administrator

Telephone: (800) 842-0356

E-mail: [Foundation@NASDAQ.com](mailto:Foundation@NASDAQ.com)

## ***Private & Corporate RFP's***

### **Bayer Foundation Grants**

**Bayer Foundation**

100 Bayer Rd, Bldg 4

Pittsburgh, PA 15205-9741

URL: <http://www.bayerus.com/about/community/ifoundation.html>

Contact:

Rebecca Lucore, Executive Director

Telephone: (412) 777-2000  
Average Grant Amount: \$1000-\$100,000 average

Grants go to science education and literacy programs that help prepare the workforce for research and technical jobs. The foundation also supports art activities that are accessible to a wide range of community residents, including arts education and cultural programs, and civic projects/social services designed to improve local neighborhoods. Types of support include general operating support, continuing support, capital campaigns, program development, professorships, curriculum development, research, and in-kind gifts. Nonprofit organizations in Bayer operating communities are eligible to submit proposals to regional offices in Ohio, California, North Carolina, Indiana, Missouri, Massachusetts, Rhode Island, New Jersey, New York, Pennsylvania, and Connecticut. Grants do not support charitable dinners and events, programs to influence legislation, endowments, deficit reduction or operating reserves, Funds may be used for general operating support; educational programs; basic research; community development; capital campaigns; adult and family literacy training; curriculum development and teacher training. Visit the above URL for full details.

## Ten Best Companies Supporting the Arts in America

**The Business Committee for the Arts (BCA)** ([www.bcainc.org](http://www.bcainc.org))

URL: <http://www.bcainc.org/thebcaten.html>

The BCA TEN is a national list created by the Business Committee for the Arts, Inc. to recognize businesses of all sizes for their exceptional involvement with the arts that enrich the workplace, education and the community. These companies set the standard of excellence and serve as role models for others to follow.

1. The Boeing Company (Chicago, IL)
2. The Boldt Company (Appleton, WI)
3. Deutsche Bank (NYC)
4. Gibson Guitar Corporation (Nashville, TN)
5. Masco Corporation (Taylor, MI)
6. McQuiddy Printing Company (Nashville, TN)
7. Qualcomm Incorporated (San Diego, CA)
8. Shell Exploration & Production Company (Houston, TX)
9. Shugoll Research (Bethesda, MD)
10. The Travelers Companies, Inc. (St. Paul, MN)

In addition to national recognizing outstanding corporate support for the arts, BCA offers companies strategic models for providing such support to the arts. BCA has created several programs to help businesses to understand the importance of the arts in the corporate environment, in the life of a community, and in the cultural heritage of a nation. One program which BCA sponsors is *art@work*. A description of the program, from the BCA website, reads:

### **"Discover the Hidden Talent in Your Business!"**

*art@work*<sup>®</sup> is a national program of the Business Committee for the Arts, Inc. (BCA) that enables businesses of all sizes to recognize and celebrate the creative talents of each and every employee by inviting them to bring the art they create or perform to work and share it with their colleagues.

This program offers a business the opportunity to show its appreciation of the non-work-related accomplishments of every individual, and it also sparks a new dynamic of interaction

among employees, their families and friends, which frequently leads to new dialogues, team building and new levels of creativity in the workplace."

To ensure that interested companies are able to implement a program, BCA offers a step-by-step guide and provides staff assistance to help companies create a successful program. To learn more about BCA, corporations and support for the arts, and other BCA programs visit the web site.

## **Emerging Artist Grants**

**The Puffin Foundation** (<http://www.puffinfoundation.org/>)

Deadline: December 30, 2007

Award Amount: \$1,000 - \$2,500

URL: <http://www.puffinfoundation.org/grants/prospectiveapplicant.html>

The Puffin Foundation makes grants to emerging artists in the fields of art, music, theater, dance, photography, and literature whose works due to their genre and/or social philosophy might have difficulty being aired. Potential applicants must be permanent residents or citizens of the US. US citizens whose projects encompass work in other countries are eligible to apply. The foundation has limited resources and cannot consider proposals for large film/documentary proposals, grants for travel, continuing education, or the writing or publishing of books. Full details are available at the above URL.

## **Helen Brach Foundation**

55 W. Wacker Dr., Suite 701

Chicago, IL 60601-1609

Telephone: 312-372-4417

Fax: 312-327-0290

Contact:

John Hagnell, Associate Editor

Deadline: Dec. 31

Minimum Request: \$5,000

Award Range: \$10,000 - \$50,000

Number of Awards: 500 annually

The Helen Brach Foundation (HBF) provides funding for education, prevention of cruelty to children, and promotion of music, arts, theater and science. HBF funds in Ohio. Applicants must be in existence for at least a year for consideration. Requests must be at least \$5,000. The foundation does not have a website; the preferred method of contact is by fax.

Program officers say that a request received earlier in the process has a better chance of being funded, prospective applicants should send or fax a letter to the above contact at the listed address or fax number.

## ***Fellowships: Institutional/Individual***

### **Fulbright German Studies Seminar:**

### **Science and Society: The Impact of Science on Policy Formation**

**The Fulbright Program** ([www.cies.org](http://www.cies.org))

Length of Grant: 2 weeks (June 9 to 20, 2008)

URL: [www.cies.org/award\\_book/award2008/award/GSS\\_instructions.htm](http://www.cies.org/award_book/award2008/award/GSS_instructions.htm)

The seminar topic for 2008-2009 is "*Science and Society: The Impact of Science on Policy Formation*". The seminar will pay special attention to the formation of policies pertaining to current topics and problems at the core of a modern technological society. Topics will include discussion about policies governing climate change, food technology, gene technology, stem cell research and the broad scope of education. Participants will explore how Germany and its European neighbors view the role of science in their societies, examining the factors that result in differing approaches to these issues and the challenges of harmonizing different standards under a uniform EU-policy umbrella. Taking into consideration the globalization of economies and marketplaces, the seminar will examine the multiple interests which structure relations between national governments, economic corporations, political and supranational bodies as well as research and development institutions. The program, which begins in Berlin will include visits to other cities in Germany. The award will cover round-trip air travel; travel within Germany, and lodging and will provide participants with a partial per diem. Following completion of the seminar program, all participants will submit a brief report and evaluation to the program. Many former participants choose to remain in Europe after the seminar to pursue individual research projects, but this is done at the participants' own costs and responsibility. Grantees' spouses and dependents cannot be accommodated during the seminar.

Contact

Tara

Campbell Senior Program Officer

Telephone: 202-686-6240

E-mail: [tcampbell@cies.iie.org](mailto:tcampbell@cies.iie.org)

Or

Alisha Scott

Telephone: 202-686-6244

E-mail: [ascott@cies.iie.org](mailto:ascott@cies.iie.org)

## **Fulbright German International Education Administrators Program**

**The Fulbright Program** ([www.cies.org](http://www.cies.org))

Deadline: February 1, 2008 (Germany)

URL: [http://www.cies.org/award\\_book/award2008/award/U.S8260.htm](http://www.cies.org/award_book/award2008/award/U.S8260.htm)

This fellowship is a short-term visiting grant that comprises a two-week seminar organized by the German Fulbright Commission. The program begins in late October 2008 and seeks to introduce administrators in higher education to German society, culture and education. The program features presentations and discussions with German university administrators, government officials and representatives from international exchange organizations. The program begins in Berlin and continues to other cities throughout Germany. Eligible candidates will be:

- US Citizens
- Affiliated with an accredited college or university or a nonprofit international exchange organization administering postsecondary student or faculty exchange.
- Educational professionals and senior university administrators (e.g., deans, provosts, vice presidents, registrars and admissions officers) with significant responsibility for programs in
  - 1) international education,
  - 2) career services,
  - 3) alumni affairs and
  - 4) fundraising.

Full details are available at the above URL.

Contact  
Tara Campbell, Senior Program Officer  
Telephone: 202-686-6240  
E-mail: [tcampbell@cies.iie.org](mailto:tcampbell@cies.iie.org)  
Or  
Alisha Scott  
Telephone: 202-686-6244  
E-mail: [ascott@cies.iie.org](mailto:ascott@cies.iie.org)

## National Academies & Ford Foundation Diversity Fellowships

**National Research Council (NRC)** (<http://www.nationalacademies.org/nrc/>)

Deadline: Pre-doctoral: November 15, 2007  
Dissertation: November 29, 2007  
Postdoctoral: November 29, 2007

Number and Amount of Awards: 60 Pre-doctoral @ \$20,000 annually for three years  
35 Dissertation @ \$21,000 for one year  
20 Postdoctoral @\$40,000 for one year

URL: <http://www7.nationalacademies.org/fordfellowships/index.html>

Administered by the NRC, the Ford Foundation Diversity Fellowship program seeks to increase the diversity of US college and university faculties by increasing ethnic and racial diversity, making the most of the educational benefits of diversity, and increasing the number of professors who can and will use diversity as a resource for enriching the education of all students. To encourage the realization of these goals, NRC awards fellowships at the pre-doctoral, dissertation, and postdoctoral levels to students who demonstrate excellence, a commitment to diversity and a desire to enter the professoriate.

Eligible candidates include students who

- Are US citizens or nationals regardless of race, national origin, religion, gender, age, disability, or sexual orientation
- Have evidence of superior academic achievement;
- Are committed to a career in teaching and research at the college or university level;
- Enrolled in or planning to enroll in an eligible research-based program leading to a Ph.D. or Sc.D. degree at a US educational institution; and
- Have not earned a doctoral degree at any time, in any field.

For complete program information and application procedures, visit the above URL.

Contact  
Fellowships Office, Keck 576  
National Research Council  
500 Fifth Street, NW  
Washington, DC 20001  
Telephone: 202-334-2872  
URL: <http://national-academies.org/fellowships>  
E-mail: [mailto:infofell@nas.edu](mailto:mailto:infofell@nas.edu)

## **Charlotte R. Schmidlapp Fund**

### **Charlotte R Schmidlapp Foundation**

38 Fountain Sq Plaza, MD 109067

Cincinnati, OH 45263

AMOUNT: \$5000-\$50,000 average

The fund supports programs for women and girls in Ohio that focus on math, science, and arts scholarships; research and awareness of issues affecting girls and women; and programs that strengthen the lives of all women who are self-supporting. Tax-exempt organizations in Cincinnati, Cleveland, Columbus, Dayton, and Toledo, OH are eligible. Funds may be used for building construction or renovation; scholarships; service delivery programs; and community development

#### Contact

Dr. Lawra Baumann, Assistant Vice President

Telephone: (513) 534-7001

### ***Student Funding Opportunities***

## **Christine Mirzayan Science & Technology Policy Graduate Fellowship Program**

**The National Academies of Science** (<http://www7.nationalacademies.org>)

Deadlines: Receipt of materials (application and at least one reference)  
November 1 for the January program,  
March 1 for the June program, and  
June 1 for the September program

URL: <http://www7.nationalacademies.org/policyfellows/Program.html>

The Christine Mirzayan Science & Technology Policy Graduate Fellowship Program within the Policy and Global Affairs Division of the National Academies is designed to engage graduate science, engineering, medical, veterinary, business, public policy, and law students in the analytical process that informs the creation of national policy-making with a science/technology element. As a result, students develop basic skills essential to working in the world of science policy. During the program, fellows engage in studies and activities throughout the National Academies. Some examples of projects fellows conducted include developing

- An outline of themes of leading research in remote sensing applications;
- A workshop on how scientists in developing countries can take better advantage of the new wireless communication networks to gain access to the Internet;
- A background paper on the current state of knowledge about the demography of street-children, and on what is known about the cost and effectiveness of existing programs to help street-children and orphans in the U.S. and abroad.

Each fellow is assigned to a senior staff member who acts as his or her mentor. The mentor provides guidance and ensures that the fellow's time is focused on substantive projects and activities. The first week of the fellowship program, the fellows spend the morning gaining a better understanding of how the National Academies work and the fundamentals of science and technology policy analysis. In addition, the fellows are briefed by organizations in Washington other than the National Academies who influence, make, or report on science and technology policy.

Applications for the fellowships are invited from graduate students through post-doctoral scholars in any physical, biological, or social science field or any field of engineering,

medicine/health, or veterinary medicine as well as business, law, education, and other graduate and professional programs. Graduate students and postdoctoral scholars and those who have completed graduate studies or postdoctoral research within the last 5 years are eligible to apply. For the year 2008, the fellowship program will comprise three sessions:

- **Winter:** January 7 through March 14 (10 weeks).
- **Summer:** June 2 through August 8 (10 weeks).
- **Fall:** September 8 through November 14 (10 weeks).

Note that fellows may at their and their mentor's option be extended beyond the official term on a case-by-case basis. Fellows may be compensated at the current weekly grant level for the extension period. This decision will not be made until midway through the program. Extensions will not be made past the start date of the next fellowship program session. Full details are available at the above URL.

## **2008 Barbara Jordan Health Policy Scholars Program**

**The Henry J. Kaiser Family Foundation (KFF)** (<http://www.kff.org/>)

Deadline: December 14, 2007

Duration of Award: 9 Weeks

URL: <http://www.kff.org/minorityhealth/bjscholars/index.cfm>

KFF seeks applications for the 2008 Barbara Jordan Health Policy Scholars Program from college seniors and recent college graduates. Candidates are selected based on academic performance, demonstrated leadership potential, and interest in health issues that disproportionately affect racial and ethnic minorities or underserved communities. Potential applicants must have a very strong interest in addressing racial and ethnic health disparities and may themselves be a member of a population that is adversely affected by racial and ethnic health disparities. Eligible candidates are US citizens who are seniors or recently graduates from an accredited US college or university in the fall of 2008. Individuals with an advanced degree and those individuals currently enrolled in an advanced degree program are not eligible to participate.

The scholars work in Congressional offices in Washington, D.C., obtaining first-hand experience in the policy-making process and participating in seminars and site visits to enhance their practical knowledge of healthcare issues. Each scholar also writes and presents a health policy research paper in one of the following areas: Medicaid and the uninsured, Medicare, or HIV/AIDS. Scholars receive roundtrip transportation to Washington, a stipend, and housing at Howard University for the duration of the program. Application materials and more information are available at the above URL.