Open Funding Opportunities

Department of Defense (DOD)

Power Efficiency Revolution For Embedded Computing Technologies (PERFECT)
Solicitation No. DARPA-BAA-12-24 CFDA No. 12.910
Due Date: 10 February 2012
Purpose: The goal of the Power Efficiency Revolution For Embedded Computing Technologies (PERFECT) program is to provide the technologies and techniques to overcome the power efficiency barriers that currently constrain embedded computing systems capabilities and limit the potential of future embedded systems.

National Geospatial-Intelligence Agency Academic Research Program
Solicitation No. HM0177-12-BAA-0001 CFDA No. 12.630
Due Date: White papers: Until 30 April 2013
Proposals: Until 30 September 2013.
http://www07.grants.gov/search/synopsis.do;jsessionid=q2fNPwLf2Lt8Xgzqvy6dkbNZzTtpvK0CFhdmWLzLGf9P9rwlpkp4!-335065855
Purpose: The National Geospatial-Intelligence Agency (NGA) is releasing this solicitation for its sponsored academic research program. The NGA Academic Research Program (NARP) is focused on innovative, far-reaching basic and applied research in science, technology, engineering and mathematics that has the potential to advance the GEOINT mission. The objective is to support innovative, high-payoff research that provides the basis for revolutionary progress in areas of science and technology affecting the needs and mission of NGA. This research also supports the National System for Geospatial Intelligence (NSG), which is the combination of technology, systems and organizations that gather, produce, distribute and consume geospatial data and information.

Science, Technology, Engineering & Mathematics (STEM)
Solicitation No. W912HZ-12-BAA-1000 CFDA No. 12.630
Due Date: 15 May 2012
http://www07.grants.gov/search/synopsis.do;jsessionid=BByXPwNbLc10B1dNYt4GcMpGL0MshGnmJdBzwplbXhr7Lv658G1Q!-335065855
Purpose: The U.S. Army Engineer Research and Development Center (ERDC) seeks proposals under authority of the National Defense Education Act (1959) and under the Pre-Engineering Program (PEP) to stimulate young pupils in the sciences, technology, engineering and mathematics (STEM). The target students attend primary, middle, and high schools in the
following locations; Warren County, Mississippi; Champaign County, Illinois; Grafton County, New Hampshire; Orange County, Vermont; Windsor County, Vermont; Sullivan County, New Hampshire; Arlington County, Virginia; and Alexandria, Virginia. The target students may attend public or private schools. ERDC solicits basic research proposals in the general DoD STEM Education and Outreach Program from colleges, universities, and non-profit organizations. Depending upon the availability of appropriated funds, ERDC may: (1) Make multiple awards under this BAA; and (2) Consider options exercisable for multi-year performance. Area of performance for proposals may be limited to one of the selected locations listed above or may address multiple locations.

DEPARTMENT OF ENERGY (DOE)

**Multidisciplinary University Research Initiative: High Operating Temperature Fluids**

Solicitation No. DE-FOA-0000567  CFDA No. 81.087
Due Date: 19 April 2012
[https://eere-exchange.energy.gov/](https://eere-exchange.energy.gov/)

Purpose: The objective of the Multidisciplinary University Research Initiative (MURI): High Operating Temperature Fluids (“HOT Fluids”) Funding Opportunity Announcement (FOA) is to support research into fluid materials development that will enable Concentrating Solar Power (CSP) systems to integrate with energy conversion devices capable of thermal to electric conversion efficiencies greater than 50%. DOE anticipates providing up to $10M in funding for up to 2 awardees to accomplish the goals of this funding opportunity. This FOA directly supports the goals of the Department of Energy’s Office of Energy Efficiency and Renewable Energy, Solar Energy Technologies Program and the SunShot Initiative. This FOA will take a MURI approach that ensures awardees bring together researchers from various technical backgrounds in order to achieve the discovery and a development of a liquid that is stable as a liquid from 0°C to 1300°C. This target must be achieved while also ensuring that the fluid has the necessary properties to be used in current CSP plant designs. Development of such a fluid will directly enable the achievement of the SunShot target of providing electricity generated by solar power at a cost of 6 cents per kilowatt hour (¢/kWh).

**Stewardship Science Academic Alliances Program (modification 4)**

Solicitation No. DE-FOA-0000611  CFDA No. 81.112
Due Date: 12 March 2012
[http://www07.grants.gov/search/search.do?&mode=VIEW&oppId=136213](http://www07.grants.gov/search/search.do?&mode=VIEW&oppId=136213)

Purpose: The Office of Stockpile Stewardship, under Defense Programs within the Department of Energy’s (DOE) National Nuclear Security Administration (NNSA), created the Stewardship Science Academic Alliances (SSAA) Program to support fundamental science at U.S. universities in the areas of: 1. Materials Under Extreme Conditions 2. Low Energy Nuclear Science (LENS) 3. Radiochemistry 4. High Energy Density Physics (HEDP). Please refer to the SSAA FOA Provisions of Modification 003 located on FedConnect which rescinds and replaces some of the FOA guidance applicable to proposed SSAA Centers of Excellence. There is also information to clarify allowances for foreign travel, limitations on number of applications submitted by a single organization, and clarity on submission of Financial Assistance Environmental Checklist (Attachment G). Replacement forms referenced in Mod 003 for Travel Estimates Summary (Attachment E) and Equipment Quotes and Justification (Attachment F) should also be obtained from FedConnect.

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**Advanced Manufacturing Program and Building Technologies Program Superior Energy Performance Program Administrator**

Solicitation No. DE-FOA-0000635  CFDA No. 81.117
Due Date: 21 March 2012

http://www07.grants.gov/search/search.do?&mode=VIEW&oppId=142075

Purpose: This FOA is to fund an administrator for a new American National Standards Institute, ANSI, accredited Superior Energy Performance Program, or SEP. The SEP program will provide industrial plants and commercial buildings with a roadmap for achieving continual improvement in energy efficiency. Once launched, SEP will provide a transparent, globally accepted system for validating energy intensity performance improvement and management practices. It is anticipated that the SEP certification program will launch nationally in 2012. The Department of Energy intends to fund a single awardee under this FOA to serve as the SEP Program Administrator for both the industrial and commercial sectors. The intent of this funding is to support the SEP Program Administrator during the initial stages of promoting and implementing the program, with the ultimate aim of creating an independent, financially self-sustaining entity. The SEP Program Administrator will be responsible to launch and oversee the SEP program. Key tasks include (1) development of a self-sustaining business model; (2) promotion, education, and marketing; (3) management and administration; and (4) reporting and program evaluation.

**Fuel Cell Technologies Early Market Opportunities - RFI**

Solicitation No. DE-FOA-0000655  CFDA No. 81.087
Due Date: 2 March 2012

http://www07.grants.gov/search/search.do?&mode=VIEW&oppId=142133

Purpose: Request for Information. The Department of Energy (DOE) seeks feedback from stakeholders for technology deployment activities aimed at verifying the commercial readiness of fuel cell and hydrogen technologies, consistent with DOE’s on-going efforts and mission. Areas of interest include the following: Area of Interest 1: Innovative, Commercially Ready Fuel Cell Systems for Specific Applications Subtopic 1A: Auxiliary Power Units (APUs) for Refrigerated Trucks Subtopic 1B: Fuel Cell Recharging Systems for All-Electric Light- or Heavy-Duty Trucks Area of Interest 2: Technology Deployment Projects for Other On- or Off-Road Transportation Markets The purpose of this Request for Information (RFI) is to gather feedback from stakeholders prior to DOE potentially issuing a Funding Opportunity Announcement (FOA). This RFI is not a FOA; therefore, DOE is not accepting applications at this time.

**DEPARTMENT OF HEALTH AND HUMAN SERVICES (DHHS) – INCLUDES NIH**

**Modeling Social Behavior (R01)**

Solicitation No. RFA-GM-13-006  CFDA No. 93.859; 93.242
Due Date:  Letter of Intent: 3 March 2012
Application: 3 April 2012


Purpose: This FOA, issued by the National Institute of General Medical Sciences (NIGMS) and the National Institute of Mental Health (NIMH), solicits applications for developing and testing innovative theories and computational, mathematical, or engineering approaches to deepen our understanding of complex social behavior. This research will examine phenomena at multiple

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scales to address the emergence of collective behaviors that arise from individual elements or parts of a system working together. This FOA will support research that explores the often complex and dynamical relationships among the parts of a system and between the system and its environment in order to understand the system as a whole. To accomplish the goals of this FOA we encourage applications that build transdisciplinary teams of scientists spanning a broad range of expertise. Minimally this team should include senior investigators with expertise in the behavioral or social sciences as well as in computational and systems thinking (computer science, mathematics, engineering, systems-level methodology). Research can involve model organisms or humans.

**Biomedical and Behavioral Research Innovations to Ensure Equity (BRITE) in Maternal and Child Health (R15)**
Solicitation No. PAR-12-093 CFDA No. 93.865
Due Date: Letter of Intent: 3 March 2012
Application: 3 April 2012

Purpose: The Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD) seeks to increase the diversity of the pool of researchers involved in health equity research related to NICHD mission areas including infant mortality; Sudden Infant Death Syndrome (SIDS); child, adolescent, and/or adult obesity; uterine fibroids; pediatric and maternal HIV/AIDS prevention; violence prevention; health literacy; and outreach and information dissemination.

**Basic Cancer Research in Cancer Health Disparities (U01)**
Solicitation No. PAR-12-095 CFDA No. 93.393, 93.396, 93.399
Due Date: 20 June 2012

Purpose: Through this FOA, the Center to Reduce Cancer Health Disparities (CRCHD), the Division of Cancer Biology (DCB) and Division of Cancer Prevention (DCP), at the National Cancer Institute (NCI), encourage grant applications from investigators interested in conducting basic, mechanistic research into the biologic/genetic causes of cancer health disparities. These cooperative agreement research awards (U01) will support innovative studies designed to investigate biological/genetic bases of cancer disparities, and may include the development and testing of new methodologies and models, secondary data analyses, and mechanistic studies of identified biological factors associated with cancer disparities, including those related to basic research in prevention strategies.

 Companion FOA: PAR-12-094, R21 Exploratory/Developmental Grant

**Exploratory/Developmental Grants Program for Basic Cancer Research in Cancer Health Disparities (R21)**
Solicitation No. PAR-12-094 CFDA No. 93.393, 93.396
Due Date: 20 June 2012

Purpose: Through this FOA, the Center to Reduce Cancer Health Disparities (CRCHD) and the Division of Cancer Biology (DCB), at the National Cancer Institute (NCI), invite grant applications from investigators interested in conducting basic research studies into the biological
causes and mechanisms of cancer health disparities. These awards will support pilot and feasibility studies, development and testing of new methodologies, secondary data analyses, and innovative mechanistic studies that investigate biological/genetic bases of cancer health disparities. This FOA is also designed to aid and facilitate the growth of a nationwide cohort of scientists with a high level of basic research expertise in cancer health disparities research and to provide resources for those investigators that may need additional support on their path to successfully compete for R01 funding in basic mechanistic research in understanding cancer health disparities.

**Companion FOA:** [PAR-12-095, U01](http://grants.nih.gov/grants/guide/pa-files/PAR-12-095.html) Research Project – Cooperative Agreements

**Exploratory Grant Award to Promote Workforce Diversity in Basic Cancer Research (R21)**

Solicitation No. PAR-12-096 CFDA No. 93.393, 93.396

Due Date: 20 June 2012

Purpose: This FOA, issued by the Center to Reduce Cancer Health Disparities (CRCHD) and the Division of Cancer Biology (DCB) of the National Cancer Institute (NCI), invites applications by investigators from diverse backgrounds underrepresented in basic and biomedical cancer research. The purpose of this FOA is to improve the diversity of the NCI-funded research workforce by supporting and recruiting eligible investigators from groups that have been shown to be underrepresented in the biomedical, clinical, behavioral, and social sciences including individuals from underrepresented racial and ethnic groups, individuals with disabilities, and individuals from socially, culturally, economically, or educationally disadvantaged backgrounds that have recently and demonstrably inhibited their ability to pursue a career in health-related research. This FOA will also provide a bridge to investigators that have completed their research training and may need extra time to develop a research project grant application.

**Partnerships for Development of Vaccine Technologies (R01)**

Solicitation No. RFA-AI-12-014 CFDA No. 93.855; 93.856

Due Date:  Letter of Intent: 26 May 2012

Application: 26 June 2012

Purpose: This Funding Opportunity Announcement (FOA) issued by the National Institute of Allergy and Infectious Diseases (NIAID), National Institutes of Health (NIH), invites research applications for projects focused on preclinical development of candidate technologies (including adjuvants) that would improve vaccine effectiveness and/or simplify vaccine delivery to patient populations during a natural outbreak of an infectious disease or following the intentional release of an infectious agent. Applications must include a Product Development Strategy attachment and demonstrate substantive investment by at least one industrial participant.

**PHS 2012-02 Omnibus Solicitation of the NIH, CDC, FDA and ACF for Small Business Innovation Research Grant Applications (Parent SBIR [R43/R44])**

Solicitation No. PA-12-088

Due Date: 5 April 2012

Purpose: This FOA issued by the National Institutes of Health (NIH), the Centers for Disease Control and Prevention (CDC), the Food and Drug Administration (FDA) and the
Administration for Children and Families (ACF) invites eligible United States small business concerns (SBCs) to submit Small Business Innovation Research (SBIR) grant applications. United States SBCs that have the research capabilities and technological expertise to contribute to the R&D mission(s) of the NIH, CDC, FDA or ACF awarding components identified in this FOA are encouraged to submit SBIR grant applications in response to identified topics (see PHS 2012-2 SBIR/STTR Program Descriptions and Research Topics for NIH, CDC, FDA and ACF Companion FOA: PA-12-089, STTR R41/R42- Phase I, Phase II, and Fast Track

**PHS 2012-02 Omnibus Solicitation of the NIH for Small Business Technology Transfer Grant Applications (Parent STTR [R41/R42])**
Solicitation No. PA-12-089  
Due Date: 5 April 2012  

**Purpose:** This Funding Opportunity Announcement (FOA) issued by the National Institutes of Health (NIH) invites eligible United States small business concerns (SBCs) to submit Small Business Technology Transfer (STTR) grant applications. United States SBCs that have the research capabilities and technological expertise to contribute to the R&D mission(s) of the NIH awarding components identified in this FOA are encouraged to submit STTR grant applications in response to identified topics (see PHS 2012-2 SBIR/STTR Program Descriptions and Research Topics for NIH.)  
**Companion FOA:** PA-12-088, SBIR R43/R44- Phase I, Phase II, and Fast Track

**DEPARTMENT OF HOMELAND SECURITY (DHS)**

**Center of Excellence for Command, Control and Interoperability**
Solicitation No. DHS-12-ST-061-002-SUPP1  
CFDA No. 97.061  
Due Date: 13 February 2012  
[http://www07.grants.gov/search/synopsis.do;jsessionid=HtYvPwTZyRcGDrblphMwNZ0LhcJDQQYMDrcpwjZQXn8VhjbLvhp!-335065855](http://www07.grants.gov/search/synopsis.do;jsessionid=HtYvPwTZyRcGDrblphMwNZ0LhcJDQQYMDrcpwjZQXn8VhjbLvhp!-335065855)

**Purpose:** This phase of work addresses and seeks to build on UCASS Phase I accomplishments and allow the performer to expedite efforts to: •Prepare a widely-usable demonstration version of a prototype decision support tool •Work with users to refine the prototype tool and educate the users, to lay the groundwork for transition •Incorporate into the decision support tool early versions of pre- and post-processing components that will be able to incorporate the risk and economic modeling done by our partners at CREATE •Enhance data gathering and analysis needed for the CCICADA and CREATE modeling.

**DEPARTMENT OF THE INTERIOR (DOI)**

**Wildlife Without Borders Critically Endangered Animals Conservation Fund (modification)**
Solicitation No. F12AS00005CFDA No. 15.673  
Due Date: Extended to 1 April 2012  
[http://www07.grants.gov/search/search.do?&mode=VIEW&oppId=137834](http://www07.grants.gov/search/search.do?&mode=VIEW&oppId=137834)

**Purpose:** The Wildlife Without Borders Critically Endangered Animals Conservation Fund will fund projects that conserve the world’s most endangered species. Species eligible for funding are those that face a very high risk of extinction in the immediate future. Species should meet the
criteria to be listed as Critically Endangered or Endangered on the International Union for the Conservation of Nature (IUCN) Red List. Species listed as Data Deficient on the IUCN Red List are also eligible if the applicant can provide information that suggests a similar urgency for conservation action. Species listed as Extinct in Wild are eligible if the applicant is proposing a reintroduction attempt. See solicitation for list of species that are not eligible.

Wildlife Without Borders Amphibians in Decline
Solicitation No. F12AS00057  CFDA No. 15.672
Due Date: 1 May 2012
http://www07.grants.gov/search/search.do?&mode=VIEW&oppId=142134
Purpose: The Wildlife Without Borders Amphibians in Decline program will fund projects that conserve the world's rapidly declining amphibian species. Species eligible for funding are those frogs, toads, salamanders, newts, and caecilians that face a very high risk of extinction in the immediate future. Species should meet the criteria to be listed as Critically Endangered or Endangered on the International Union for the Conservation of Nature (IUCN) Red List. Species listed as Data Deficient on the IUCN Red List are also eligible if the applicant can provide information that suggests a similar urgency for conservation action. Species listed as Extinct in Wild are eligible if the applicant is proposing a reintroduction attempt. See solicitation for list of species not eligible for this grant.

Marine Turtle Conservation Fund
Solicitation No. F12AS00058  CFDA No. 15.645
Due Date: 1 April 2012
http://www07.grants.gov/search/search.do?&mode=VIEW&oppId=142135
Purpose: The Marine Turtle Conservation Fund is soliciting proposals for the conservation of marine turtles throughout their range outside of the United States and its territories. The U.S. Government enacted the Marine Turtle Conservation Fund of 2004 in response to the decline of many marine turtle populations worldwide and the serious threats to the long term survival of marine turtle populations. The primary purpose of the Act is to provide financial support for projects that conserve nesting populations and habitat and address other threats to the survival of marine turtles in foreign countries.

DEPARTMENT OF JUSTICE (DOJ)

W.E.B. DuBois Fellowship for Research in Race, Gender, Culture and Crime FY 2012
Solicitation No. NIJ-2012-3086
Due Date: 2 May 2012
https://www.ncjrs.gov/pdffiles1/nij/sl000992.pdf
Purpose: NIJ seeks proposals for funding under the W.E.B. Du Bois Fellowship for Research in Race, Gender, Culture, and Crime FY 2012. The Du Bois Fellowship Program seeks to advance knowledge regarding the confluence of crime, justice, and culture in various societal contexts. The Fellowship places particular emphasis on crime, violence, and the administration of justice in diverse cultural contexts within the United States.

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Basic Scientific Research to Support Forensic Science for Criminal Justice Purposes
Solicitation No. NIJ-2012-3098 CFDA No. 16.560
Due Date: 20 April 2012
https://www.ncjrs.gov/pdffiles1/nij/sl000994.pdf
Purpose: With this solicitation, NIJ seeks proposals for funding basic scientific research in the physical, life, and cognitive sciences that is designed to increase the knowledge underlying forensic science disciplines intended for use in the criminal justice system.

Applied Research and Development in Forensic Science for Criminal Justice Purposes
Solicitation No. NIJ-2012-3097 CFDA No. 16.560
Due Date: 20 April 2012
https://www.ncjrs.gov/pdffiles1/nij/sl000993.pdf
Purpose: With this solicitation, NIJ seeks proposals for applied research and development projects that will: (1) increase knowledge or understanding necessary to guide forensic science policy and practice or (2) result in the production of useful materials, devices, systems, or methods that have the potential for forensic application. The intent of the Applied Research and Development in Forensic Science for Criminal Justice Purposes Program is to direct the findings of basic scientific research, research and development in broader scientific fields applicable to forensic science, and ongoing forensic science research toward the development of highly discriminating, accurate, reliable, cost-effective, and rapid methods for the identification, analysis, and interpretation of physical evidence for criminal justice purposes.

DEPARTMENT OF TRANSPORTATION (DOT)

Highways for LIFE Technology Partnerships Program ½ 2012 Announcement (modification)
Solicitation No. DTFH61-12-RA-00002 CFDA No. 20.200
Due Date: 3 May 2012
http://www07.grants.gov/search/search.do?&mode=VIEW&oppId=134293
Purpose: This modification is issued to: 1) amend the closing date to reflect the second deadline (May 3, 2012 at 4:15 p.m. EST) for submission of Round I Applications. The focus of the 2012 Technology Partnership Program solicitation is to work with the highway industry to accelerate the adoption of promising innovations that 1) have the potential to directly reduce crashes or crash severity or 2) innovations that significantly enhance decision-making relative to the deployment of treatments to reduce crashes, crash severity and the understanding of the effectiveness of the treatments.

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION (NASA)

Edison Small Satellite Flight Demonstration Missions
Solicitation No. NNA12ZD0001K CFDA No.
Due Date: Executive Summary due: 4 March 2012
Proposals due: 20 May 2012

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Purpose: The NASA Office of the Chief Technologist (OCT) within its Space Technology Program has established the Edison Small Satellite Flight Demonstration Program (Edison) to accelerate the development of small spacecraft capabilities for NASA, commercial, and other space sector users. The objectives of the Edison Program are to: 1) Identify candidate small spacecraft technologies with game-changing and/or crosscutting potential and validate these technologies via spaceflight; 2) Regularly and affordably demonstrate these and other small spacecraft technologies in the space environment; 3) Improve or create new small spacecraft capabilities for lower cost and/or advanced satellite communication, remote observation, space physics, and other applications; and 4) Demonstrate new small spacecraft capabilities that constitute new satellite and spacecraft applications and architectures. As a secondary objective, Edison missions are intended to provide key technology and capability investments that incubate and enhance the market for small spacecraft.


Solicitation No. NNH11ZDA001N
Due Date: 20 April 2012
http://nspires.nasaprs.com/external/viewrepositorydocument/cmdocumentid=305009/solicitationId=%7BAEF75D0F-2272-7DE7-D52A-295B47C8F5CF%7D/viewSolicitationDocument=1/Amendment%2039.pdf

Purpose: This announcement offers opportunities for investigators to participate in continuing development towards a Carbon Monitoring System (CMS). Under its CMS initiative as directed by Congress in 2010, NASA initiated pre-Phase A and pilot studies and a scoping effort for a carbon monitoring system (http://carbon.nasa.gov/). This initial phase of CMS development activities is being carried out in 2010-2012 through directed research conducted at the NASA Goddard Space Flight Center (GSFC), the Jet Propulsion Laboratory (JPL), and the NASA Ames Research Center (ARC), guided by a competed Science Definition Team (SDT). The work conducted in this prototyping effort to date leverages the much larger investment currently made by NASA in satellite observations of carbon-related properties of the Earth, as well as in carbon cycle science and carbon management research. It also takes into account the efforts of other Federal agencies, especially as coordinated through the Carbon Cycle Interagency Working Group of the U.S. Global Change Research Program. This solicitation requests proposals for additional CMS work to be conducted primarily by external organizations. This new work is intended to build upon the lessons learned in the pilot studies and scoping efforts and to further integrate NASA products and capabilities with those of other U.S. agencies and international entities.

NATIONAL SCIENCE FOUNDATION (NSF)

Partnerships for Innovation (PFI) Building Innovation Capacity (BIC)

Solicitation No. NSF 12-511 CFDA No. 47.041
Due Date: 1 March 2012

Purpose: Note: Required NOI was due 4 January 2012. The NSF Partnerships for Innovation (PFI) program is an umbrella for two complementary subprograms: one of which involves an
earlier stage that focuses on building innovation capacity and the other involves a later stage that focuses on the acceleration of innovative research. The former emphasizes the transformation of knowledge to market-accepted innovations created by the research and education enterprise, while the latter emphasizes the translation of research to commercialization by NSF-funded research alliances. A research alliance is defined as a research partnership formed for mutual benefit, and funded by NSF, between/amongst universities and other entities. In the final analysis, both programs, while focusing on different stages are concerned with the movement of academic research into the marketplace.

Pan-American Advanced Studies Institutes Program (PASI)
Solicitation No. NSF 12-535 CFDA No.
Due Date: 24 April 2012
Purpose: The Pan-American Advanced Studies Institutes (PASI) Program is a jointly supported initiative between the Department of Energy (DOE) and the NSF. Pan-American Advanced Studies Institutes are short courses ranging in length from ten to twenty-one days, involving lectures, demonstrations, research seminars, and discussions at the advanced graduate, post-doctoral, and junior faculty level. PASIs aim to disseminate advanced scientific and engineering knowledge and stimulate training and cooperation among researchers of the Americas in the mathematical, physical, and biological sciences, the geosciences, the computer and information sciences, and the engineering fields. Proposals in other areas funded by NSF may be considered on an ad hoc basis as long as they are multidisciplinary; in this case, lead investigators must consult with the PASI Program before proposal submission.

Integrative Paleoanthropology Grants (IPG)
Solicitation No. PD 12-1393 CFDA No. 47.075
Due Date: 18 April 2012
http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=503614
Purpose: The Biological Anthropology and Archaeology Programs are pleased to invite investigators to apply for an "Integrative Paleoanthropology Grant." In 2012, contingent on availability of funds, the Programs plan to make a single award for a maximum of $1,000,000 to support a multi-year project of up to five years in duration.

Ethics Education in Science and Engineering (EESE)
Solicitation No. NSF 11-514 Due Date: 1 March 2012
Purpose: The EESE program funds research and educational projects that improve ethics education in all fields of science and engineering that NSF supports, with priority consideration given to interdisciplinary, inter-institutional, and international contexts. Although the primary focus is on improving ethics education for graduate students in NSF-funded fields, the proposed programs may benefit advanced undergraduates as well.

Math and Science Partnership (MSP) - Targeted Partnerships
Solicitation No. NSF 12-518 CFDA No. 47.076
Due Date: 5 March 2012
Purpose: The MSP program is a major research and development effort that supports innovative partnerships to improve K-12 student achievement in mathematics and science. MSP projects are expected to raise the achievement levels of all students and significantly reduce achievement gaps in the STEM performance of diverse student populations. MSP projects contribute to what is known in K-12 STEM education. All STEM (Science, Technology, Engineering and Mathematics) fields supported by NSF may be involved in this work, with special encouragement to areas that are gaining increased traction at the K-12 level, such as computer science and engineering, in addition to mathematics and science. MSP projects also serve as models that have a sufficiently strong evidence/research base to improve STEM education outcomes for all students. Through this solicitation, NSF seeks to support two levels of Targeted Partnership awards, Implementation and Prototype. Implementation awards are intended to develop and put into practice innovative approaches and strategies in education. Prototype awards explore potentially innovative approaches and strategies in education. Both types of Partnerships incorporate significant new innovations to STEM education, linked to a strong educational research agenda, in one of four focal areas: Community Enterprise for STEM Learning; Current Issues Related to STEM Content; Identifying and Cultivating Exceptional Talent; and K-12 STEM Teacher Preparation.

**Math and Science Partnershi (MSP) – Research, Evaluation and Technical Assistance (RETA), including STEM Education Resource Collaboratory**

Solicitation No. NSF 12-518  CFDA No. 47.076  
Due Date: 5 March 2012


Purpose: The MSP program is a major research and development effort that supports innovative partnerships to improve K-12 student achievement in mathematics and science. MSP projects are expected to raise the achievement levels of all students and significantly reduce achievement gaps in the STEM performance of diverse student populations. MSP projects contribute to what is known in K-12 STEM education. All STEM (Science, Technology, Engineering and Mathematics) fields supported by NSF may be involved in this work, with special encouragement to areas that are gaining increased traction at the K-12 level, such as computer science and engineering, in addition to mathematics and science. MSP projects also serve as models that have a sufficiently strong evidence/research base to improve STEM education outcomes for all students. Through this solicitation, NSF seeks to support three types of Research, Evaluation and Technical Assistance (RETA) project opportunities in this solicitation: research related to sustainability, or policies, or state plans for STEM education; technical assistance for evaluators of MSP projects; and the STEM Education Resource Collaboratory.

**Industry/University Cooperative Research Centers Program (I/UCRC)**

Solicitation No. NSF 12-516  
Due Date: Letter of Intent: 29 June 2012  
Full Proposal: 28 September 2012


Purpose: The Industry/University Cooperative Research Centers (I/UCRC) program develops long-term partnerships among industry, academe, and government. The centers are catalyzed by a small investment from the National Science Foundation (NSF) and are primarily supported by industry center members, with NSF taking a supporting role in the development and evolution of the center. Each center is established to conduct research that is of interest to both the industry
members and the center faculty. An I/UCRC contributes to the Nation's research infrastructure base and enhances the intellectual capacity of the engineering and science workforce through the integration of research and education. As appropriate, an I/UCRC uses international collaborations to advance these goals within the global context.

**Plant Genome Research Program (PGRP)**

Solicitation No. NSF 12-517  CFDA No. 47.074  
Due Date: 5 March 2012  

Purpose: Three kinds of activity will be supported in FY 2012: (1) Genomics-empowered plant research to tackle fundamental questions in plant and agricultural sciences on a genome-wide scale; (2) Development of tools and resources for plant genome research including novel technologies and analysis tools that will enable discovery; and (3) Mid-Career Investigator Awards in Plant Genome Research (MCA-PGR) to increase participation of investigators trained primarily in fields other than plant genomics. Proposals addressing these opportunities are welcomed at all scales, from single-investigator projects through multi-investigator, multi-institution projects, commensurate with the scope of the work proposed.

**Related Announcements**

The **OSP UAHuntsville Funding Opportunities Facebook Group** is a forum for members to express interest in grant opportunities and/or propose collaborations. It also provides information and items of interest about funding opportunities and grant writing. The group is moderated and content is for members only. Follow the link and ask for an invitation to join.  
Or, search Facebook for **UAH Funding Opportunities**.

**January’s** issue of the monthly resource, **Research Development & Grant Writing News**, is be available on the OSP website later this week under the RESEARCHER’S RESOURCES tab from any university computer. See the current issue and back issues at:  
[http://resadmin.uah.edu/resadminweb/researchersresources/](http://resadmin.uah.edu/resadminweb/researchersresources/)

**February’s** issue of **The Grant Advisor PLUS** is now online. You can access it from any university computer at:  
The newsletter covers grant opportunities from federal agencies (except NIH) as well as many independent organizations and foundations. Each issue contains 20-25 program reviews with descriptions, eligibility requirements, special criteria, funding amounts, and contact information. The remainder of the newsletter is comprised of the Deadline Memo with more than 300 listings of grant and fellowship programs for the coming four months, organized into eight academic divisions (fine arts, humanities, sciences, social sciences, education, international, health related, unrestricted/other).

The **Principal Investigator Advisor** is no longer publishing a monthly newsletter, but back issues are still available online from a university computer under the Researcher’s Resources tab:  
[http://resadmin.uah.edu/resadminweb/researchersresources.asp](http://resadmin.uah.edu/resadminweb/researchersresources.asp)

To subscribe/unsubscribe to the UAHuntsville weekly funding bulletin, UAHuntsville faculty and staff should send an email request to susan.phelan@uah.edu.
OSP Training Calendar Now Online!
http://resadmin.uah.edu/resadminweb/training_calendar.asp
NOTE: Online registration can be accessed from the calendar.

Student Fellowships and Assistance Opportunities information is now available on the OSP website at: http://resadmin.uah.edu/resadminweb/information/StudentGrants.asp

Conferences and Workshops

Call for Abstracts
63rd International Astronautical Congress (IAC) - Naples, Italy October 1-5, 2012
The IAC has posted a “Call for Abstracts,” with a submission deadline of February 29, 2012. NASA plans to also announce a “Call for Abstracts” inviting graduate students to submit abstracts (of no more than 400 words) to participate in the 63rd International Astronautical Congress. Abstracts must be submitted to NASA and to the IAF. Details on the NASA “Call for Abstracts” is to be determined (TBD). The selected NASA sponsored students are required to also be selected by the IAF. Please visit the IAC website, http://www.iac2012.org/ for additional information about the Congress. For information about the “Call for Abstracts,” visit, http://www.iafastro.org/docs/2012/iac/IAAC2012_CallForPapers.pdf.
The point of contact at NASA is Carolyn Knowles, carolyn.knowles-1@nasa.gov.

Current NIAC Fellows will attend and give presentations about their Phase I research. The conference will feature exciting keynote speakers and information about NIAC’s program status and plans. More information will be available soon.
http://www.nasa.gov/offices/oct/early_stage_innovation/niac/

Climate Change Conference - University of WA, Seattle, WA, July 12-13, 2012
The International Conference on Climate Change: Impacts and Responses will be held 12-13 July 2012 in partnership with the Climate Impacts Group at The University of Washington, Seattle, Washington, USA. This interdisciplinary conference is for scholars, teachers, and practitioners from any professional discipline who share an interest in-and concern for-the societal impacts of climate change. Proposals for paper presentations, workshops, posters/exhibits, or colloquia are invited. The deadline for the next round in the call for papers (a title and short abstract) is 07 February 2012. http://www.Climate-Conference.com

CISE CAREER Proposal Writing Workshop
Mar 30 2012 8:30AM to 5:00PM, Philadelphia, PA
The goal of the workshop is to enable future CISE proposal submitters to prepare competitive CAREER proposals. The workshop intends to provide young faculty members skills in CAREER proposal writing, panel review experience, and opportunities to interact with NSF program directors and recent NSF awardees.
Organizer: Dr. Paul Oh, Drexel University, Philadelphia, PA
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**NOTE: FOR UAHuntsville/OSP Conference & Workshop schedules see OSP Training Calendar on the web and at the end of this bulletin.**

**Council on Undergraduate Research (CUR)**

**Council on Undergraduate Research (CUR) Social Science Division Student Travel Awards**
The Social Science Division is offering a limited number of travel grants, up to $200 each, for undergraduate students presenting the results of research that they have conducted at a regional or national, discipline-specific meeting during the academic year 2011-12. Award recipients are required to acknowledge CUR for support of their travel in their talk or poster. After the meeting, a brief report about the experience is expected. Minority students are encouraged to apply. Eligibility Criteria: Undergraduate student must be a junior or senior, student’s mentor must be a CUR member or the student’s home institution must be a CUR institutional member, and student’s home institution must match the travel grant. Applications for a travel grant to a spring 2012 meeting are now being accepted. Award decisions will be made on a first come, first serve basis. For application requirements and more details visit: www.cur.org/soescistudenttravel.html. Contact Dave Cook at David.Cook@uah.edu if you intend to apply.

**Notices from NASA**

Soliciting applications and nominations for members of the Science Utilization Team for the Stratospheric Aerosol and Gas Experiment (SAGE) III instrument on the International Space Station (NNH12ZDA007L).

http://nspires.nasaprs.com/external/solicitations/summary.do?method=init&sollId={E76C5825-8E7F-91D1-B27D-0E73385B30E6}&path=open

The primary objective of SAGE III on ISS is to monitor the vertical distribution of aerosols, ozone, and other trace gases in the Earth’s stratosphere and troposphere to enhance our understanding of ozone recovery and climate change processes in the stratosphere and upper troposphere. For more information about SAGE III on ISS see http://www-sage3oniss.larc.nasa.gov/ and "Earth Science and Applications from SAGE3/ISS: National Imperatives for the Next Decade and Beyond", available at http://www.nap.edu/catalog.php?record_id=11820. The members of the SAGE3/ISS SUT will focus primarily on assessing the scientific and data usage approaches critical to achieving the goals of the SAGE3/ISS mission as outlined in NASA's Climate Initiative. For more information see the full text of the call at http://tinyurl.com/7cq9u9. To respond to the call send a Letter of Application to the POC no later than March 9, 2012.

**NASA Receives Final NRC Report On Space Technology Roadmaps**

NASA has received the National Research Council (NRC) report "NASA Space Technology Roadmaps and Priorities," which provides the agency with findings and recommendations on where best to invest in technologies needed to enable NASA's future missions in space. The NRC report will help define NASA's technology development priorities in the years to come. http://www.nasa.gov/home/hqnews/2012/feb/HQ_12-039_NRC_Roadmaps.html
NOTES FROM NSF

Robert Noyce Teacher Scholarship Program Proposal Workshop
21 February 2012 8:00 a.m. to 2:00 p.m., Washington, DC
The American Association for the Advancement of Science (AAAS) is hosting an outreach workshop to provide information about submitting a proposal to the National Science Foundation (NSF) Robert Noyce Teacher Scholarship Program. NOTE: OSP will host a webinar for this program on 15 February in VBRH E-8.


Frequently Asked Questions for NSF 12-523: Climate Change Education (CCE): Climate Change Education Partnership (CCEP) Program, Phase II (CCEP-II) (NSF 12-033)

Dear Colleague Letter - Materials 2022 (NSF 12-035)

DATA MANAGEMENT FOR LTER: 1980 – 2010 A POSITION PAPER prepared by ROBERT J. ROBBINS in conjunction with the NSF thirty-year review of LTER

NOTES FROM NIH

Extension of Comment Period on the Office of Laboratory Animal Welfare Position Statements (NOT-OD-12-042) National Institutes of Health

Reminder of Requirements for RFA-HL-12-004 Maximizing the Scientific Value of the NHLBI Biologic Specimen Repository: Scientific Opportunities (R21) (NOT-HL-12-010)

Notice of Funding Opportunity for Ancillary/Collaborative Studies for the NHLBI Progenitor Cell Biology Consortium (NOT-HL-12-011)

Frequently Asked Questions (FAQs) for RFA-MH-13-022 - Competitive Revision Applications for Research on Neural Processes Underlying Sex Differences Related to Risk and Resilience for Mental Illness (P50) (NOT-MH-12-016)
## Internal Selection Procedures

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<tr>
<th>Agency</th>
<th>Solicitation</th>
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## Solicitation Review

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## Training Events

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<tr>
<td>Face-to-face training</td>
<td><strong>Responsible Conduct of Research (RCR) Face-to-Face Training</strong>&lt;br&gt;2 courses (3 hours each) will be offered for a total of 6 hours.&lt;br&gt;<a href="http://resadmin.uah.edu/resadminweb/registrations/RCR.asp">http://resadmin.uah.edu/resadminweb/registrations/RCR.asp</a>&lt;br&gt;NOTE: This training is NOT needed for those who have completed 6 hours already.</td>
<td>Mar 8 and 9, 2012 9-12:00 noon and 1:30 – 4:30 p.m. Chan Auditorium</td>
</tr>
<tr>
<td>Webinar</td>
<td><strong>NSF Robert Noyce Teacher Scholarship Program Proposal Webinar.</strong>&lt;br&gt;The webinar will provide information about the NSF Robert Noyce Teacher Scholarship Program solicitation (<a href="http://www.nsf.gov">NSF 12-525</a>) as well as how to prepare Letters of Intent and proposals for the upcoming deadlines.&lt;br&gt;<a href="http://resadmin.uah.edu/resadminweb/registrations/RNTSProgram.asp">Register online:</a></td>
<td>Feb 15, 2012 2:-3:30 p.m. CST E-8</td>
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**OSP Training Calendar Now Online!**<br>[http://resadmin.uah.edu/resadminweb/training_calendar.asp](http://resadmin.uah.edu/resadminweb/training_calendar.asp)