

Funding Notice

These funding opportunities are compiled from announcements made by various funding agencies, private foundations, and other entities. Archives of these funding opportunities are located online: <http://orsp.louisiana.edu>.

Additional funding opportunities may be found at www.grants.gov and www.cos.com, where you can customize searches and receive funding alerts directly in your inbox. For additional information about these or other opportunities, or to submit a proposal, contact Ruth Landry or Alise Hagan in the Research Office (482-5811).

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RECOVERY ACT OPPORTUNITIES: We are continuing to monitor agency websites and use search engines for American Recovery and Reinvestment Act (ARRA) opportunities. All ARRA opportunities are in the section titled "American Recovery and Reinvestment Act" and are preceded with the phrase "RECOVERY ACT". We encourage you to check www.grants.gov, www.cos.com, and agency websites regularly because new ARRA notices are being posted frequently.

American Recovery and Reinvestment Act (ARRA)

RECOVERY ACT: DoEd: Office of Innovation and Improvement: *Teacher Quality Partnership Grants Program.* Supplemental appropriations from the American Recovery and Reinvestment Act of 2009 have allowed the Education Department's Teacher Quality Partnership program to seek applications to improve the quality of new teachers working in high-need local educational agencies and high-need schools by creating successful and high-quality model Pre-Baccalaureate Teacher Preparation programs, and/or Teaching Residency programs for those qualified. Due: TBD. Link: www.grants.gov (funding opp #: ED-GRANTS-030909-004). NOTE: UL Lafayette can be a partner institution, but cannot serve as the lead in applying to this opportunity.

RECOVERY ACT: NIH: *Supporting New Faculty Recruitment to Enhance Research Resources through Biomedical Research Core Centers.* NIH invites applications from U.S. academic institutions/organizations to support the hiring of newly-recruited faculty to develop research projects within the context of Biomedical Core Centers. A Biomedical Core Center is defined as a community of multidisciplinary researchers focusing on areas of biomedical research relevant to NIH, such as centers, departments, programs, and/or trans-departmental collaborations or consortia. These awards are designed to enhance innovative programs of excellence by providing scientific and programmatic support for promising research faculty and their areas of research. Core Center Grants are institutional awards that provide funding to hire, provide appropriate start-up packages, and develop pilot research projects for newly independent investigators, with the goal of augmenting and expanding the institution's community of multidisciplinary researchers focusing on areas of biomedical research relevant to NIH. Due: 4/29/09 (Letters of Intent); 5/29/09 (Application). Link: <http://grants.nih.gov/grants/guide/rfa-files/RFA-OD-09-005.html>

RECOVERY ACT: NIH: *Challenge Grants in Health and Science Research.* NIH has designated at least \$200 million for a new initiative called the NIH Challenge Grants in Health and Science Research. This new program will support research on topic areas which address specific scientific and health research challenges in biomedical and behavioral research that would benefit from significant 2-year jumpstart funds. NIH Institute and Centers have selected specific Challenge Topics within each of the Challenge Areas. The research in these Challenge Areas should have a high impact in biomedical or behavioral science and/or public health. Due: 4/27/09. Link: www.grants.gov (Funding Opp # RFA-OD-09-003).



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Arts and Humanities

Association of Performing Arts Presenters: *Creative Campus Innovations Grant*. The sponsor offers the grants to college and university presenters for a variety of campus-based activities that more fully integrate the work of presenters into the life of the academy and the community and for campus presenters working collectively with other college or university partners to maximize resources and capacities in the performing arts. Due: 6/30/09. Link: <http://www.artspresenters.org/services/creativecampusgrants.cfm>

Kaplan (J.M.) Fund: *Grants Program*. The sponsor provides support for research in the following categories: City Life; Environment; Historic Preservation; and Migrations. Due: Letter of Inquiry required; no date provided. Contact: acarabine@jmkfund.org. Link: <http://www.jmkfund.org/grantprograms.html>

Office of Postsecondary Education/DoEd: *Undergraduate International Studies and Foreign Language Program*. The sponsor provides support to strengthen and improve undergraduate instruction in international studies and foreign languages. A total of approximately \$2,565,000 is available. Due: 4/30/09. Link: <http://edocket.access.gpo.gov/2009/E9-7224.htm>.

Society of Motion Picture and Television Engineers: *Lou Wolf Memorial Scholarship*. The sponsor offers a scholarship of up to \$2,000 to help further undergraduate or graduate studies in motion pictures and television, with an emphasis on technology. Due: 6/1/09. Link: <https://www.smpte.org/membership/student/scholarships>

Oberlin College Press: *FIELD Poetry Prize*. The editors of FIELD award the FIELD Poetry Prize annually. The winning manuscript, a book-length collection of poems, is published by Oberlin College Press in the FIELD Poetry Series. The winning author also receives an award of \$1,000. The contest is open to all poets -- those who have published in book form as well as those who have not. Previously unpublished manuscripts of poetry in English between fifty and eighty pages in length will be considered. Due: 5/31/09. Link: <http://www.oberlin.edu/ocpress/prize.htm>

Office of Postsecondary Education/DoEd: *Undergraduate International Studies and Foreign Language Program*. The sponsor provides support to strengthen and improve undergraduate instruction in international studies and foreign languages. A total of approximately \$2,565,000 is available. Due: 4/30/09. Link: www.grants.gov (funding opp #: ED-GRANTS-033109-002).

Council for International Exchange of Scholars: *Fulbright Programs – Europe, Ireland – Art/Applied Art/Design*. The sponsor provides a lecturing/research award in art tenable at the National College of Art and Design, Dublin. Grants are three months in duration. Due: 8/1/09. Link: http://www.cies.org/award_book/award2010/award/Art0280.htm

Education, Social Science, & Service

Office of Planning, Research, and Evaluation/ACF/DHHS: *Secondary Analyses of Data on Child Care*. Funds for Secondary Analyses of Data on Child Care grants are available for supporting secondary analyses of existing data to answer questions of relevance for policy decision-making on child care and child care subsidies in the United States, US Territories and Tribes. Due: 6/15/09. Link: <http://www.acf.hhs.gov/grants/open/HHS-2009-ACF-OPRE-YE-0080.html>

Directorate for Social, Behavioral and Economic Sciences/NSF: *Cultural Anthropology*. The Cultural Anthropology Program supports basic scientific research about the causes, consequences, and complexities of human social and cultural variability. Due: Deadlines vary. Link: <http://www.grants.gov/search/search.do?mode=VIEW&oppld=1258>

Directorate for Social, Behavioral and Economic Sciences/NSF: *International Research and Education: Planning Visits and Workshops*. The sponsor supports the early phases of developing and coordinating a research and education activity with a foreign partner(s). Due: Any time: Proposals for Planning Visits may be submitted at any time. 9/20, 2/20, 5/20 (annually): Workshop proposals. Link: <http://www.nsf.gov/pubs/2004/nsf04035/nsf04035.htm>



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Education, Social Science, & Service (continued)

Directorate for Social, Behavioral and Economic Sciences/NSF: *Planning Visits (SBE – INT)*. The sponsor supports planning visits to assess foreign facilities, equipment, or subjects of research, and to have detailed discussions with prospective foreign partners to finalize plans for cooperative research. Visits typically range from seven to fourteen days. Due: Proposals accepted anytime. Link: <http://www.nsf.gov/pubs/2004/nsf04035/nsf04035.htm>

Transportation Research Board: *Transit Cooperative Research Program--Audience Measurement for Transit Advertising*. The objective of this research is to develop a reliable software-based transit advertising audience measurement system (comparable to Nielsen, Arbitron, Eyes On, and Postar audience rating systems) that provides useful and credible information to be used by transit advertising sales organizations. Due: 5/27/09. Link: <http://www.trb.org/TRBNet/ProjectDisplay.asp?ProjectID=2613>

Transportation Research Board: *Transit Cooperative Research Program--Improving Safety-Related Rule Compliance in the Public Transportation Industry*. The objective of this research is to develop a resource for improving safety-related rule compliance in the public transportation industry. Due: 6/9/09. Link: <http://www.trb.org/TRBNet/ProjectDisplay.asp?ProjectID=2612>

Substance Abuse & Mental Health Services Administration: *Healthy Transitions Initiative*. The sponsor's services grants are designed to address gaps in mental health services and to increase the ability of States, Territories, and American Indian/Alaska Native Tribes and tribal organizations to help specific populations or geographic areas with existing and emerging serious mental health conditions. Due: 5/20/09. Link: www.grants.gov (funding opp #: SM-09-008)

Administration on Children, Youth and Families/ACF/DHHS: *National Resource Center for Community-Based Child Abuse Prevention*. The purpose of this funding opportunity announcement is to establish by cooperative agreement a National Resource Center for the Community-Based Child Abuse Prevention Program (NRCBCAP). This network is designed to improve child welfare systems and to support States and Tribes in achieving sustainable, systemic change that results in greater safety, permanency, and well-being for children, youth, and families. Due: 5/26/09. Link: <http://www.acf.hhs.gov/grants/open/HHS-2009-ACF-ACYF-CZ-0056.html>

Substance Abuse & Mental Health Services Administration: *Grants for Primary and Behavioral Health Care Integration*. The purpose of this program is to improve the overall wellness and physical health status of people with serious mental illnesses by making available coordinated primary care services in community mental health and other community-based behavioral health settings. SAMHSA expects that people with serious mental illnesses will show improvement in their physical health status through participation in the programs associated with this grant. PBHCI also includes a focus on providing wellness education and support services. Due: 5/27/09. Link: www.grants.gov (funding opp #: SM-09-011)

Johnson (Robert Wood) Foundation: *Local Funding Partnerships: Peaceful Pathways: Reducing Exposure to Violence*. The sponsor provides support to diversity focused funders and other local grantmakers to fund projects to reduce violence in specific communities such as those defined by race, ethnicity, tribe, gender, sexual identity or rural/frontier location. A total of approximately \$1.0 million is available for the 2009 grant cycle. Due: Proposals may be submitted at any time during 2009, and will be processed for review on the following dates: 5/1/09; 9/1/09; 1/5/10. Link: http://www.rwjf.org/files/applications/cfp/cfp_LFP_PP2009.pdf

Johnson (Robert Wood) Foundation: *Local Funding Partnerships Program*. The sponsor provides support for a matching grants program designed to establish partnerships between the sponsor and local grantmakers to fund promising, original projects to significantly improve the health of vulnerable people in their communities. Due: 7/7/09 (Stage I proposals); 11/10/09 (Stage II invited full proposals). Link: http://www.rwjf.org/files/applications/cfp/cfp_LFP2010.pdf



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Education, Social Science, & Service (continued)

Johnson (Robert Wood) Foundation: *Active Living Research and Healthy Eating Research Rapid Response Grants Round 2*. The sponsor provides support for time-sensitive, opportunistic studies to evaluate changes in policies or environments with the potential to reach children who are at highest risk for obesity, including African-American, Latino, Native American, Asian American and Pacific Islander children (ages 3 to 18) who live in low-income communities or communities with limited access to affordable healthy foods and/or safe opportunities for physical activity. Research studies may focus on one or both sides of the energy balance equation on physical activity (including sedentary behavior), healthy eating or both. Studies funded under this CFP are expected to advance RWJF's efforts to reverse the childhood obesity epidemic by 2015. Due: 7/17/09 (Required letters of intent); 8/14/09 (invited full proposals).
Link: http://www.rwjf.org/files/applications/cfp/cfp_ALRHER_rapid2009.pdf

National Institute on Drug Abuse/NIH/DHHS: *Women and Sex/Gender Differences in Drug and Alcohol Abuse/Dependence*. The sponsors provide support for research on women and sex/gender differences in drug/alcohol abuse and dependence. Due: Multiple deadlines throughout the year.
Link for R01: <http://grants1.nih.gov/grants/guide/pa-files/PA-07-329.html>;
Link for R03: <http://grants1.nih.gov/grants/guide/pa-files/PA-07-330.html>;
Link for R21: <http://grants1.nih.gov/grants/guide/pa-files/PA-07-331.html>

National Institute of Mental Health/NIH/DHHS: *Basic and Translational Research in Emotion (R01)*. The sponsor provides support to expand basic and translational research on the processes and mechanisms involved in the experience, expression and regulation of emotion. This program will use the NIH R01 award mechanism. Due: Multiple deadlines throughout the year. Link: <http://grants1.nih.gov/grants/guide/pa-files/PA-09-137.html>

MacArthur (John D. & Catherine T.) Foundation: *U.S. Grantmaking Program: Human and Community Development*. To help develop successful individuals and strong communities, the Program on Human and Community Development focuses on the relationships among people, place, and systems. Through grants and loans, the program explores two primary themes: the important role of place, home, community, city, region, and state in people's lives; and the shared interests between individuals, particularly those in trouble or in need, and society at large. Specific fields of work include community and economic development, stable and affordable housing, juvenile justice reform, and education understanding how young people are different because of their use of digital media, a difference likely to be reflected in how they think, learn, judge, confront ethical dilemmas, and interact with others. Due: Refer to sponsor's website for due dates of required letters of intent and full, invited proposals.
Link: http://www.macfound.org/site/c.lkLXJ8MQKrH/b.938141/k.FEFC/Domestic_Grantmaking.htm

MacArthur (John D. & Catherine T.) Foundation: *International Program: Global Security and Sustainability*. The Program on Global Security and Sustainability seeks to protect the security and well-being of people and the environment around the world. The Foundation works to encourage peace within and among countries, conserve global biological diversity, support responsible reproductive choices and reduction of maternal mortality, and protect human rights and strengthen the system of international justice. The Foundation funds work in about 60 countries, with special emphasis on four important countries in different regions of the world: India, Mexico, Nigeria, and Russia. Due: Letters of inquiry are invited at any time, with the following exceptions: Concept papers for the International Peace and Security Asia - Security Initiative Policy Research Grants will be accepted 6/1/09 and 12/15/09.
Link: http://www.macfound.org/site/c.lkLXJ8MQKrH/b.929441/k.74BD/International_Grantmaking.htm

Office of Postsecondary Education/DoEd: *Institute of International Public Policy*. The sponsor invites applications for the establishment of an Institute for International Public Policy that will conduct a program to enhance the international competitiveness of the United States by increasing the participation of underrepresented populations in the international service, including private international voluntary organizations and the foreign service of the United States. Due: 5/1/09.
Link: <http://edocket.access.gpo.gov/2009/E9-7303.htm>



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Education, Social Science, & Service (continued)

Directorate for Social, Behavioral and Economic Sciences/NSF: Law and Social Science. The Law and Social Science Program supports social scientific studies of law and law-like systems of rules, institutions, processes, and behaviors. Due: 8/15/09; 1/15/10. Link: http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=5422

Directorate for Social, Behavioral and Economic Sciences/NSF: Science of Science and Innovation Policy (SciSIP). The SciSIP program supports research designed to advance the scientific basis of science and innovation policy. Research funded by the program thus develops, improves and expands models, analytical tools, data and metrics that can be applied in the science policy decision making process. Due: 9/9/09.
Link: http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=501084&org=NSF&sel_org=NSF&from=fund

Council for International Exchange of Scholars: Fulbright Programs – Europe, Ireland – Business/Innovation. The sponsor provides approximately three research awards in business and innovation tenable at Dublin City University. Grants are three months in duration. Due: 8/1/09. Link: http://www.cies.org/award_book/award2010/award/Bus0283.htm

Council for International Exchange of Scholars: Fulbright Programs – Europe, Ireland – Economics. The sponsor provides a lecturing/research award in economics, tenable at the Kemmy Business School, University of Limerick. Grants range from four to nine months in duration. Due: 8/1/09.
Link: http://www.cies.org/award_book/award2010/award/Eco0285.htm

Council for International Exchange of Scholars: Fulbright Programs – Europe, Kosovo – Applied or Theoretical Economics or Business Administration. The sponsor provides a lecturing or lecturing/research award in applied or theoretical economics or business administration, tenable at the American University of Kosovo. All courses are taught in English. Grants are ten to twelve months in duration. Due: 8/1/09.
Link: http://www.cies.org/award_book/award2010/award/App0308.htm

NSF: Discovery Research K-12. NSF's Discovery Research K-12 program seeks significant advances in preK-12 student and teacher learning of the STEM disciplines through the development, implementation, and study of resources, models, and technologies for use by students, teachers, and policymakers. Funded activities begin with a research question or hypothesis about effective preK-12 STEM learning and teaching; develop, adapt, or study innovative resources, models, or technologies; and demonstrate if, how, for whom, and why their implementation affects learning. Due: 1/7/10.
Link: www.nsf.gov/pubs/2008/nsf08609/nsf08609.htm

ACF: Abandoned Infants Assistance. The Administration for Children and Families seeks projects to develop and implement programs of comprehensive community-based support services targeted for abandoned infants. Activities should include but are not limited to: prevention of the abandonment of infants and young children, especially those exposed to a dangerous drug, those that are HIV positive or who have been perinatally exposed to HIV; identification of the needs of those infants and children who are, or might be, abandoned; and development of a program of comprehensive support services for these infants and young children and their natural families. Due: 5/11/09.
Link: www.acf.hhs.gov:80/grants/open/HHS-2009-ACF-ACYF-CB-0060.html.

ACF: Direct Services for Torture Survivors. The Administration for Children and Families' Office of Refugee Resettlement is accepting applications for direct services to persons who have been tortured. Activities may include: services for the rehabilitation of victims of torture, including treatment of the physical and psychological effects of torture; social and legal services for victims of torture; and research and training for health care providers outside of treatment centers, or programs enabling such providers to provide the services. Due: 5/11/09.
Link: www.acf.hhs.gov:80.grants/open/HHS-2009-ACF-ORR-ZT-0050.html.



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Science, Technology, Engineering, & Mathematics (STEM)

National Energy Technology Laboratory/DOE: *Fundamental Developments in Sensors and Controls for Power and Fuel Systems*. Under this program, the sponsor is seeking innovative research and development of sensor and control systems to support the full-scale implementation and operation of highly efficient, near zero emission power generation technologies. These technologies include advanced combustion, gasification, turbines, fuel cells, gas cleaning and separation technologies, and carbon capture. Due: 5/12/09. Link: www.grants.gov (funding opp #: DE-FOA-0000059).

Directorate for Education and Human Resources/NSF: *Innovative Technology Experiences for Students and Teachers*. The ITEST program responds to current concerns and projections about the growing demand for professionals and information technology workers in the U.S. and seeks solutions to help ensure the breadth and depth of the STEM workforce. Due: 1/19/10 (Letters of Intent); 2/12/10 (Full proposals for ITEST); 8/25/09 (Full proposals for Innovation through Institutional Integration). Link: www.grants.gov (funding opp #: 09-506).

Directorate for Engineering/NSF: *Biomedical Engineering Program (BME)*. The sponsor provides funding to support fundamental, transformative and discovery research applied to biological systems. Due: 9/15/09. Link: http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=501023

Directorate for Biological Sciences/NSF: *Undergraduate Research and Mentoring in the Biological Sciences (URM)*. Funds are provided to increase the number and diversity of individuals pursuing graduate studies in all areas of biological research supported by the sponsor. Due: 9/15/09. Link: www.grants.gov (funding opp #: 06-591).

Directorate for Education and Human Resources/NSF: *Institutional Transformation Awards—ADVANCE*. Institutional Transformation awards are expected to include innovative systemic organizational approaches to transform institutions of higher education in ways that will increase the participation and advancement of women in STEM academic careers. Due: 8/4/09. Link: <http://www.nsf.gov/pubs/2009/nsf09504/nsf09504.htm>

Directorate for Engineering/NSF: *Infrastructure Systems and Hazard Response Program*. The IMEE program focuses on the impact of large-scale hazards on civil infrastructure and society and on related issues of preparedness, response, mitigation, and recovery. Due: 10/1/09; 2/15/10. Link: http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=13353

Directorate for Mathematics and Physical Sciences/NSF: *Enhancing the Mathematical Sciences Workforce in the 21st Century (EMSW21)*. The sponsor awards grants for projects designed to increase the number of U.S. citizens, nationals, and permanent residents who are well-prepared in the mathematical sciences and who pursue careers in the mathematical sciences and in other disciplines supported by the sponsor. Due: 6/2/09. Link: http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=5732

Directorate for Geosciences/NSF: *Atmospheric Chemistry*. Support is provided for research in atmospheric chemistry. Due: Full Proposals accepted anytime. Link: http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=11692&org=GEO&from=fund

Directorate for Social, Behavioral and Economic Sciences/NSF: *International Planning Visits and Workshops*. The sponsor supports joint seminars and workshops involving U.S. and foreign investigators which facilitate U.S. participation in international science and engineering activities. Due: 5/20/09; 9/20/09. Link: <http://www.nsf.gov/pubs/2004/nsf04035/nsf04035.htm>

Directorate for Biological Sciences/NSF: *Ecological Biology*. The Ecological Biology program supports the Ecology Program and the Ecological Biology Cluster. Due: 7/9/09; 1/9/10. Link: http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=12823



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STEM (continued)

Directorate for Geosciences/NSF: *Climate and Large-Scale Dynamics*. Support is provided to: advance knowledge about the processes that force and regulate the atmosphere's synoptic and planetary circulation, weather and climate, and sustain the pool of human resources required for excellence in synoptic and global atmospheric dynamics and climate research. Due: Full Proposals accepted anytime.

Link: http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=11699&org=NSF&sel_org=GEO&from=fund

Directorate for Engineering/NSF: *Industry/University Cooperative Research Centers--Planning Grants*. The Industry/University Cooperative Research Centers (I/UCRC) program develops long-term partnerships among industry, academe, and government. Each center is established to conduct research that is of interest to both the industry and the center. An I/UCRC not only 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, but also encourages and fosters international cooperation and collaborative projects. Due: 6/26/09 (Required letters of intent); 9/25/09 (Invited full proposals). Link: <http://www.nsf.gov/pubs/2008/nsf08591/nsf08591.htm>

Directorate for Biological Sciences/NSF: *Research Experiences for Undergraduates (REU)*. The REU program supports active research participation by undergraduate students in any of the areas of research funded by the National Science Foundation. Due: 6/5/09 (Antarctic program only); other deadlines will be announced in the near future.

Link: <http://www.nsf.gov/pubs/2007/nsf07569/nsf07569.htm>

NSF: *Cross-Directorate Activities (CDA)*. This program encompasses a collection of Foundation-wide activities that provide support for human resource development and infrastructure improvement. Due: Interested persons should discuss their ideas with the program director prior to submitting proposals. These proposals may be submitted any time.

Link: http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=5412

Directorate for Mathematics and Physical Sciences/NSF: *Mathematical Sciences Infrastructure Program*. The Infrastructure Program provides support for activities that differ from the research projects supported by the disciplinary programs of the Division of Mathematical Sciences. Deadline(s): Full Proposals accepted anytime.

Link: http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=12756

NSF: *Early-concept Grants for Exploratory Research (EAGER)*. The EAGER funding mechanism may be used to support exploratory work in its early stages on untested, but potentially transformative, research ideas or approaches. Due: PI(s) must contact the NSF program officer(s) whose expertise is most germane to the proposal topic prior to submission.

Link: http://www.nsf.gov/pubs/policydocs/pappguide/nsf09_1/qpg_2.jsp#IID1

NSF: *Grants for Rapid Response Research (RAPID)*. The RAPID funding mechanism is used for proposals having a severe urgency with regard to availability of, or access to data, facilities or specialized equipment, including quick-response research on natural or anthropogenic disasters and similar unanticipated events. Due: PI(s) must contact the sponsor program officer(s) whose expertise is most germane to the proposal topic before submitting.

Link: http://www.nsf.gov/pubs/policydocs/pappguide/nsf09_1/qpg_2.jsp#IID1

Office of Science/DOE: *Mathematics for Analysis of Petascale Data*. The sponsor is interested in receiving grant applications for research addressing the mathematical challenges involved in extracting insights from extremely large datasets (petascale data) and investigating fundamental issues in finding key features and understanding the relationships between those features. All applications should address the potential for advances in mathematical methods or numerical algorithms and not just the application of methods and algorithms to a specific science problem, no matter how challenging. Due: 4/15/09 (Letters of intent); 5/29/09 (Applications). Link:

[http://e-center.doe.gov/iips/faopor.nsf/UNID/70EE0B617E68271585257589004D1CB9/\\$file/FOA_Notice_09-10.pdf](http://e-center.doe.gov/iips/faopor.nsf/UNID/70EE0B617E68271585257589004D1CB9/$file/FOA_Notice_09-10.pdf)



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STEM (continued)

IARPA. This BAA is being issued to allow continuous submission of abstracts and proposals to IARPA that do not address topics currently covered by open IARPA solicitations. This announcement seeks research ideas for topics not addressed by ongoing IARPA programs or other published IARPA solicitations. Potential offerors are highly encouraged to review the current IARPA solicitation list at <http://www.iarpa.gov/solicitations.html> to avoid proposing efforts that are responsive to other IARPA solicitations. This BAA is primarily, but not solely, intended for early stage research that may lead to larger, focused programs in the future. Due: 8/31/09.

Link: https://www.fbo.gov/?s=opportunity&mode=form&id=842c379af8e0eb4dd768699189f04b0a&tab=core&_cvview=0

DOA: *Advanced Compressor Technology*. The objective of this announcement is to develop and validate critical advanced compressor technologies that improve the performance, durability, and/or affordability of an advanced compressor necessary to enable Future Affordable Turbine Engine (FATE) technology level turboshaft engines. Due: 5/11/09.

Link: https://www.fbo.gov/?s=opportunity&mode=form&id=0796a698441864a9c5bd3f379284212a&tab=core&_cvview=0

National Energy Technology Laboratory/DOE: *Unsolicited Proposals*. The sponsor considers proposals in all areas of energy and energy-related research and development with an emphasis on long-term, high-risk, high-payoff technologies. Any individual or organization may apply. In most cases the sponsor will fully fund the early phases of basic research and development, but subsequent commercialization phases will require cost sharing or cost participation. Due: Proposals should be submitted at least six months in advance of desired start date.

Link: <http://www.netl.doe.gov/business/usp/unsol.html>

Semiconductor Research Corporation: *Cross-disciplinary Semiconductor Research Program (CSR)*. The sponsor provides support for exploratory, multi-disciplinary, high-risk university research leading to novel high-payoff solutions for the science and technology challenges faced by the semiconductor industry at and beyond the time horizons of the International Technology Roadmap for Semiconductors (ITRS). Due: 5/1/09.

Link: http://grc.src.org/fr/S200904_CSR_call.asp

NASA: ROSES 2009: *Atmospheric Composition: Mid-Latitude Airborne Cirrus Properties Experiment*. The Earth Science Division supports scientific investigations within the Atmospheric Composition focus area that contribute to the understanding of the sources, transformation, and transport of trace species in the Earth's atmosphere. The research strategy in atmospheric composition encompasses an end-to-end approach for instrument design, data collection, analysis, interpretation, and prognostic studies. This solicitation program element will provide support for new awards in airborne science, data analysis, modeling and satellite validation. Due: 6/15/09. Link:

http://nspires.nasaprs.com/external/viewrepositorydocument/cmdocumentid=177036/ROSES2009_Amend2_clarified4a.pdf

National Energy Technology Laboratory/DOE: *Advanced SynchroPhasor Research*. Under this program, the sponsor is seeking applications for innovative applied research and development (R&D) on the use of synchrophasor data to improve the reliability of the nation's electricity delivery. Due: 5/27/09. Link: www.grants.gov (funding opp. #: DE-FOA-0000035).

Directorate for Mathematics and Physical Sciences/NSF: *Mathematical Biology*. The Mathematical Biology Program supports research in areas of applied and computational mathematics with relevance to the biological sciences. Due: 1/13/10. Link: http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=5690

Directorate for Engineering/NSF: *Environmental Sustainability*. The Environmental Sustainability program supports engineering research with the goal of promoting sustainable engineered systems that support human well-being and that are also compatible with sustaining natural (environmental) systems. Due: 9/15/09.

Link: http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=501027



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Directorate for Mathematics and Physical Sciences/NSF: *Computational Mathematics*. The sponsor supports mathematical research in areas of science where computing plays a central and essential role, emphasizing algorithms design, numerical methods and their analysis, and symbolic methods. The prominence of computation in the research is a hallmark of the program. Due: 12/15/09. Link: http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=5390

Directorate for Mathematics and Physical Sciences/NSF: *Physics at the Information Frontier (PIF)*. This program (PIF) is intended to provide support for physics proposals in three subareas: computational physics; information intensive physics; and quantum information science and revolutionary computing. Due: 10/28/09. Link: http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=6681

Directorate for Mathematics and Physical Sciences/NSF: *Instrumentation for Materials Research - Major Instrumentation Project (IMP-MIP)*. The Instrumentation for IMR-MIP program in the Division of Materials Research provides support for the design and construction of major instruments costing more than \$4 million but less than \$20 million. The program also supports the development of detailed conceptual and engineering design for new tools for materials preparation or characterization at major user facilities. Such instruments may include, for example, neutron beam lines, synchrotron beam lines, and high field magnets, as well as development of detectors and preparation environments necessary to support materials research. Due: 6/29/09. Link: <http://www.nsf.gov/pubs/2009/nsf09547/nsf09547.htm>

National Institute on Drug Abuse/NIH/DHHS: *Epidemiology of Drug Abuse*. The sponsor offers support for research projects to expand the application of drug abuse epidemiologic research focused on understanding the nature, extent, consequences, and etiology of drug abuse across individuals, families, age groups, gender, communities, and population groups. This program will use the NIH Research Project (R01) award mechanism. Due: Multiple deadlines through out the year. Link: <http://grants1.nih.gov/grants/guide/pa-files/PA-08-124.html>

Department of the Air Force: *Applying Information Technology to Command, Control, Communications, Computer and Intelligence (C4I) Systems*. The Information Directorate, Command and Control Engineering Branch of the Air Force Research Laboratory (AFRL), Rome Research Site, is soliciting white papers under this announcement for innovative technologies to support C4I applications. Of particular interest are technologies that can significantly reduce the time between information technology availability and its employment into the research and development programs that support legacy and new military electronic systems. Also of interest are commercial technologies that can improve the functionality, performance, reliability, longevity, and usability of these new and legacy military electronic systems. Due: 5/1/09; 9/30/10. Link: <http://www1.eps.gov/spg/USAF/AFMC/AFRLRRS/Reference%2DNumber%2DBAA%2D05%2D06%2DIFKA/listing.html>

Department of the Air Force: *Tangram: A Fully Automated, Continuously Operating, Intelligence Analysis Support System*. This BAA seeks research efforts that advance the state-of-the-art in the area of Intelligence and analytic support systems. The Intelligence Community and the Air Force routinely sponsor classified and unclassified research to advance the state of the art in intelligence and analytic support systems. Due: 9/30/09; 9/30/10. Link: <http://www.fbo.gov/spg/USAF/AFMC/AFRLRRS/Reference%2DNumber%2DBAA%2D06%2D04%2DIFKA/listing.html>

NASA: ROSES 2009: *Planetary Atmospheres*. The Planetary Atmospheres program supports scientific investigations that contribute to the understanding of the origins and evolution of the atmospheres of planets and their satellites, and of comets. Due: 4/24/09 (Optional notice of intent); 6/19/09 (Applications). Link: http://nspires.nasaprs.com/external/viewrepositorydocument/cmdocumentid=177036/ROSES2009_Amend2_clarified4a.pdf



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NASA: ROSES 2009: *Terrestrial Ecology*. The goals of the sponsor's Terrestrial Ecology research are to improve understanding of the structure and function of global terrestrial ecosystems, their interactions with the atmosphere and hydrosphere, and their role in the cycling of the major biogeochemical elements and water. Due: 4/28/09 (Letter of Intent); 6/12/09 (applications). Link: http://nspires.nasaprs.com/external/viewrepositorydocument/cmdocumentid=177036/ROSES2009_Amend2_clarified4a.pdf

EPA: *Joint US - UK Research Program: Environmental Behaviour, Bioavailability and Effects of Manufactured Nanomaterials (Environmental Nanoscience Initiative)*. The sponsors invite research proposals under the Environmental Nanoscience Initiative (ENI). The amount of funding available for this announcement of opportunity is approximately \$3 million for UK applicants and \$4 million for U.S. applicants. Due: 8/5/09. Link: <http://www.nerc.ac.uk/research/programmes/nanoscience/events/documents/ao-eni2.pdf>

U.S. Fish & Wildlife Service/DOI: *Multi State Conservation Grant Program*. The Multistate Conservation Grant Program (MSCGP) is intended to address regional or national level priorities of state fish and wildlife agencies. Due: 5/6/09. Link: www.grants.gov (funding opp #: DOI-FWS-MULTISTATE).

Directorate for Biological Sciences/NSF: *Biological Research Collections*. The Improvements to Biological Research Collections Program provides funds for improvements to network, secure, and organize established natural history collections for sustained, accurate, and efficient accessibility of the collection to the biological research community. Due: 7/24/09. Link: http://www.nsf.gov/pubs/2009/nsf09548/nsf09548.txt?govDel=USNSF_25

Directorate for Education and Human Resources/NSF: *NSF Graduate Teaching Fellows in K-12 Education (GK-12)*. Through the GK-12 program, institutions of higher education have an opportunity to make a permanent change in STEM graduate education programs and to create strong and enduring partnerships with K-12 schools. Due: 5/19/09, 4/20/10 (Letters of Intent); 6/29/09, 6/3/10 (Full proposals). Link: http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=503369&org=NSF&sel_org=NSF&from=fund

NSF: *Science and Innovation Policy*. NSF's Science of Science & Innovation Policy program supports research designed to advance the scientific basis of science and innovation policy. NSF seeks projects that develop, improve and expand models, analytical tools, data and metrics that can be applied in the science's policy decision making process. Due: 9/9/09. Link: www.nsf.gov/pubs/policydocs/pappguide/nsf09_1/gpg_2.jsp#IID1

NSF: *Research to Aid Persons with Disabilities*. The NSF's Research to Aid Persons with Disabilities program supports research that will lead to the development of new technologies, devices, or software for persons with disabilities. Projects of particular interest to NSF are disability-related research in neuroscience/neuroengineering and rehabilitation robotics. Emphasis is placed on significant advancement of fundamental engineering and scientific knowledge and not on incremental improvements. Due: 9/15/09. Link: www.nsf.gov:80/funding/pgm_summ.jsp?pims_id=501021.

DOE: *Hydrogen Sensor Technologies*. The Energy Department's Office of Energy Efficiency and Renewable Energy seeks applications to develop low-cost sensor technologies that can be directly integrated with hydrogen systems and are resistant to contaminants. Sensors should be suitable for at least one of the following applications: stationary systems, portable devices, transportation, or infrastructure. Due: 4/30/09. Link: www.grants.gov (funding opp#: DEPS36-09G099004).

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DOE: *Enhanced Geothermal Systems*. The Energy Department is seeking projects in a variety of geologic formations that will quantitatively demonstrate and validate stimulation techniques that successfully sustain sufficient fluid flow and heat extraction rates for 5-7 years that produce at least 5 MWe per year per project site/geothermal reservoir. DOE will also consider projects to further characterize, stimulate, and validate underutilized geothermal resources, particularly in urban and rural regions with high electricity costs such as Alaska, Hawaii, the eastern U.S., Indian Reservations, etc. Due: 5/14/09. Link: www.grants.gov (CFDA# 81.08).

NIH: *High-end Instrumentation Grants*. The NCRR High-End Instrumentation grant program encourages applications from groups of NIH-supported investigators to purchase a single major item of equipment to be used for biomedical research. Instruments in this category include, but are not limited to, structural and functional imaging systems, macromolecular NMR spectrometers, cryoelectron microscopes and supercomputers. Due: 5/6/09. Link: <http://grants.nih.gov:80/grants/guide/pa-files/PAR-09-118.html>.

CSREES: *Beginning Farmers and Ranchers*. The Cooperative State Research, Education, and Extension Service is accepting applications to provide U.S. beginning farmer and rancher producers and their families with the knowledge, skills and tools needed to make informed decisions for their operations in order to enhance the success of beginning farmers and ranchers. Activities may include but are not limited to mentoring, apprenticeships and internships; resources and referral; innovative farm and ranch transfer strategies; and whole farm planning. Due: 5/13/09. Link: www.csrees.usda.gov/funding/rfas/pdfs/09_beginning_farmers_ranchers.pdf