

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: National Energy Technology Laboratory/DOE: Electric Drive Vehicle Battery and Component Manufacturing Initiative. The sponsor is seeking applications for grants supporting the construction (including production capacity increase of current plants) of U.S. based manufacturing plants to produce batteries and electric drive components. The battery manufacturing area is focused on battery manufacturing plants, material and component supplier manufacturing plants, and recycling plants, including facilities and manufacturing equipment, for Li ion and other advanced batteries for advanced vehicles such as electric drive vehicles (EDVs) and micro-hybrids. To establish a successful business case, the importance of leveraging other battery markets is acknowledged; these battery applications include idle reduction systems for long-haul trucks, military applications, utility ancillary services and power quality, and consumer products. Due: 5/19/09. Link: https://www.fedconnect.net/FedConnect/PublicPages/PublicSearch/Public_Opportunities.aspx

RECOVERY ACT: National Energy Technology Laboratory/DOE: Transportation Electrification. The sponsor is seeking applications for grants to establish development, demonstration, evaluation, and education projects to accelerate the market introduction and penetration of advanced electric drive vehicles. DOE's goal is for the vehicles and electric technologies to achieve a fast market introduction and reach high volume production. Due: 5/13/09. Link: https://www.fedconnect.net/FedConnect/PublicPages/PublicSearch/Public_Opportunities.aspx

RECOVERY ACT: Office of Science/DOE: Applications of Nuclear Science and Technology Initiative Program. Under this recovery act program, the sponsor is interested in receiving applications for initiatives in Applications of Nuclear Science and Technology, aimed at research and development activities in nuclear science that are relevant to applications important to the Nation. Due: 5/06/09. Link: [https://e-center.doe.gov/iips/faopor.nsf/UNID/55680715A3A1CDC785257574006D1B34/\\$file/FOA_Notice_09-13_stimulus_NP.pdf](https://e-center.doe.gov/iips/faopor.nsf/UNID/55680715A3A1CDC785257574006D1B34/$file/FOA_Notice_09-13_stimulus_NP.pdf)

RECOVERY ACT: Office of Science/DOE: R&D on Alternative Isotope Production Techniques Program. The sponsor is interested in receiving applications for the research and development on alternative methods to produce and separate stable and radioactive isotopes needed for a wide variety of research and applications. The proposed research and development should provide new and innovative technologies, or improvements to existing technologies, to foster the enhanced production of isotopes that will benefit research, and ultimately applications in medicine, homeland security, and industry. Due: 5/15/09. Link: [https://e-center.doe.gov/iips/faopor.nsf/UNID/B3370267601E20608525757400713499/\\$file/FOA_Notice_09-14_stimulus_NP.pdf](https://e-center.doe.gov/iips/faopor.nsf/UNID/B3370267601E20608525757400713499/$file/FOA_Notice_09-14_stimulus_NP.pdf)



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ARRA (continued)

RECOVERY ACT: Office of Juvenile Justice and Delinquency Prevention/DOJ: *Local Youth Mentoring Program*. This program will provide funding for local faith- and community-based organizations to develop, implement, and expand neighborhood mentoring programs. While such programs should be founded on best practices and proven principles, they should be led by collaboratives indigent to the community and designed according to local needs and resources. Due: 4/20/09. Link: <http://ojjdp.ncjrs.gov/grants/solicitations/FY2009/ARRALocalYouthMentoring.pdf>

RECOVERY ACT: Office of Juvenile Justice and Delinquency Prevention/DOJ: *Internet Crimes Against Children – Research Grants*. Through this program, the sponsor seeks to encourage innovative and independent research and data collection to further our understanding of the scope and prevalence of technology and internet-facilitated crimes against children and to enhance the administration of justice through improved investigation of crime. Due: 5/14/09. Link: <http://ojjdp.ncjrs.gov/grants/solicitations/FY2009/ARRAICACResearch.pdf>

RECOVERY ACT: Office of Juvenile Justice and Delinquency Prevention/DOJ: *ICAC Task Force Training and Technical Assistance Grants*. Through this recovery program, the sponsor seeks to identify training providers to serve the Internet Crimes Against Children (ICAC) Task Force Program. The state and regional ICAC task forces work collaboratively as a national network of law enforcement and prosecutorial agencies that prevent, interdict, and investigate technology-facilitated child sexual exploitation and Internet crimes against children. Due: 5/14/09. Link: <http://ojjdp.ncjrs.gov/grants/solicitations/FY2009/ARRAICACTTA.pdf>

RECOVERY ACT: Office of Juvenile Justice and Delinquency Prevention/DOJ: *National Internet Crimes Against Children Data System (NIDS)*. The sponsor seeks to award funding for the construction, maintenance, and housing of a National Internet Crimes Against Children Data System (NIDS) and related tasks, including building the link between the NIDS and the ICAC Portal and providing for training and technical assistance to the Internet Crimes Against Children (ICAC) Task Forces and their federal law enforcement partners on the use of the system. Link: <http://ojjdp.ncjrs.gov/grants/solicitations/FY2009/ARRAICACNIDS.pdf>

RECOVERY ACT: NIH/DHHS: *Administrative Supplements*. The sponsor announces the opportunity for investigators and United States institutions/organizations with active NIH Research Grants to request administrative supplements for the purpose accelerating the tempo of scientific research on active grants. Due: The deadline for applications is open; however, applicants should see Institute/Center websites for specific deadlines (see: http://grants.nih.gov/recovery/ic_supp.html). Program URL: <http://grants1.nih.gov/grants/guide/notice-files/NOT-OD-09-056.html>

RECOVERY ACT: NIH/DHHS: *Competitive Revision Applications*. The sponsor announces the opportunity for investigators and United States institutions/organizations with active NIH-supported research project grants (including SBIR and STTR) to submit revision applications (formerly termed competitive supplements) to support a significant expansion of the scope or research protocol of approved and funded projects. In addition, Recovery Act funds allocated to NIH specifically for comparative effectiveness research (CER) may be available to support supplements. Due: 4/21/09. Link: <http://grants1.nih.gov/grants/guide/notice-files/NOT-OD-09-058.html>

RECOVERY ACT: NIH/DHHS: *Recovery Act Funds for Administrative Supplements Providing Summer Research Experiences for Students and Science Educators*. The sponsor announces the opportunity for investigators and United States institutions/organizations with active NIH Research Grants to request administrative supplements for the purpose of promoting job creation, economic development, and accelerating the pace and achievement of scientific research. These supplements will also encourage students to seriously pursue research careers in the health related sciences, as well as provide elementary, middle school, and high school teachers, community college faculty, and faculty from non-research intensive institutions with short term research experiences in NIH-funded laboratories. DUE: The deadline for applications is open; however, applicants should see Institute/Center websites for specific deadlines (see: http://grants.nih.gov/recovery/ic_supp.html). Link: <http://grants1.nih.gov/grants/guide/notice-files/NOT-OD-09-060.html>



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ARRA (continued)

RECOVERY ACT: National Cancer Institute/NIH/DHHS: *Recovery Act Limited Competition for NIH Grants: Research and Research Infrastructure.* The sponsors solicit through this limited competition applications from domestic (United States) institutions/organizations proposing to develop and implement critical research innovations to advance the research enterprise, stimulate future growth and investments, and advance public health and health care delivery. The purpose of this grants program is to support high impact ideas that lend themselves to short-term funding, and may lay the foundation for new fields of investigation. This grants program will support large-scale research projects that accelerate critical breakthroughs, early and applied research on cutting-edge technologies, and new approaches to improve the synergy and interactions among multi and interdisciplinary research teams. Due: 4/27/09; 5/27/09.

Link: <http://grants1.nih.gov/grants/guide/rfa-files/RFA-OD-09-004.html>

RECOVERY ACT: National Institute of Mental Health/NIH/DHHS: *Research to Address the Heterogeneity in Autism Spectrum Disorders.* The sponsors solicit applications for the following topic areas relevant to research on the heterogeneity of Autism Spectrum Disorders (ASD): Measurement development, Biomarkers/biological signatures, Immune and central nervous systems interactions, Genetics/genomics, Environmental Risk Factors, Model development, Treatment and intervention, and Services research. Due: 4/12/09 (Optional letters of intent); 5/12/09 (Full applications).

Links: (R01): <http://grants1.nih.gov/grants/guide/rfa-files/RFA-MH-09-170.html>;

(Collaborative R01): <http://grants1.nih.gov/grants/guide/rfa-files/RFA-MH-09-171.html>;

(R21): <http://grants1.nih.gov/grants/guide/rfa-files/RFA-MH-09-172.html>;

R34 and Collaborative R34): <http://grants1.nih.gov/grants/guide/rfa-files/RFA-MH-09-173.html>.

Arts and Humanities

National Foundation on the Arts & Humanities/NEH: *Preservation and Access Education and Training Grants.* This program supports national or regional (multi-state) education and training programs on the care and management of, and the creation of intellectual access to, library, archival, and material culture collections. Due: 7/01/09.

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

National Foundation on the Arts & Humanities/NEH: *Fellowships and Faculty Research Awards.* The sponsor provides support for individuals pursuing advanced research in the humanities that contributes to scholarly knowledge or to the general public's understanding of the humanities. The sponsor awards fellowships of up to \$40,000. Due: 5/5/09.

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

Office of Postsecondary Education/DoEd: *International Research and Studies Program.* The sponsor invites applications for the International Research and Studies (IRS) Program, to conduct research and studies to improve and strengthen instruction in modern foreign languages, area studies, and other international fields. A total of approximately \$2,550,000 is available for new awards for this program for FY 2009. Due: 4/23/09.

Link: <http://edocket.access.gpo.gov/2009/E9-6449.htm>

Academy of American Poets: *James Laughlin Award.* The award honors a second book of original poetry, in English, by a living citizen of the United States. The sponsor awards the winning poet a cash prize of \$5,000 and purchases copies of the book for distribution to its members. Due: 5/15/09. Link: <http://www.poets.org/page.php/prmID/118>

National Film Preservation Foundation: *Partnership Grants.* Nonprofit and public archives can receive grants for film preservation work at laboratories and post-production houses donating services to the NFPF. Grants will average in value from \$3,000 to \$18,000 in cash or laboratory services. Due: 5/26/09 (Register); 7/10/09 (Applications).

Link: <http://www.filmpreservation.org/grants/partnership.html>

National Geographic Society: *Geographic Legacy Fund Grants.* The sponsor provides funds under this project on a semi-annual basis for community-driven projects directly preserving or revitalizing indigenous or traditional culture. Due: 6/15/09; 12/15/09.

Link: https://genographic.nationalgeographic.com/genographic/legacy_fund.html



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Education, Social Science, & Service

Directorate for Social, Behavioral and Economic Sciences/NSF: *Innovation and Organizational Change (IOC)*. The sponsor provides funding supporting scientific research directed at advancing understanding of innovation and organizational phenomena. Due: 9/3/09; 2/2/10. Link: http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=5378

Directorate for Social, Behavioral and Economic Sciences/NSF: *Developmental and Learning Sciences (DLS)--Individual Investigator Research Projects (SBE--BCS)*. DLS supports fundamental research that increases our understanding of cognitive, linguistic, social, cultural, and biological processes related to children's and adolescents' development and learning. Research supported by this program will add to our basic knowledge of how people learn and the underlying developmental processes that support learning, with the objective of leading to better educated children and adolescents who grow up to take productive roles as workers and as citizens. Due: 7/15/09; 1/15/10. Link: http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=8671

Directorate for Social, Behavioral and Economic Sciences/NSF: *Developmental and Learning Sciences (DLS)--Workshops and Small Conferences (SBE--BCS)*. DLS supports fundamental research that increases our understanding of cognitive, linguistic, social, cultural, and biological processes related to children's and adolescents' development and learning. The sponsor will provide funding for workshops and small conferences in this area. Due: 7/15/09; 1/15/10. Link: http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=8671

Office of Postsecondary Education/DoEd: *Business and International Education Program*. The sponsor invites applications for the Business and International Education Program, which provides grants to enhance international business education programs and to expand the capacity of the business community to engage in international economic activities. A total of approximately \$2,223,961 is available for new awards. Due: 4/23/09. Link: <http://edocket.access.gpo.gov/2009/E9-6440.htm>

Transportation Research Board: *National Cooperative Highway Research Program--Price Indexing in Transportation Construction Contracts*. Agency decision makers seek guidance for judging if indexing and escalation clauses are warranted, whether the benefits an agency may gain using such clauses outweigh the costs, and how best to implement indexing. Due: 4/24/09. Link: <http://www.trb.org/TRBNet/ProjectDisplay.asp?ProjectID=2602>

Transportation Research Board: *Transit Cooperative Research Program--Communication with Vulnerable Populations: A Transportation and Emergency Management Toolkit*. The objective of this research is to develop a toolkit of communications strategies, policies, and practices for transportation agencies and emergency management agencies that focuses on communicating with vulnerable populations prior to, during, and after all-hazards emergencies. Due: 5/19/09. Link: <http://www.trb.org/TRBNet/ProjectDisplay.asp?ProjectID=2611>

National Institute of Nursing Research/NIH/DHHS: *Interventions to Improve Palliative Care at the End of Life*. The sponsor solicits grant applications from institutions and organizations to develop and test interdisciplinary interventions to improve palliative care and enhance the quality of life for dying patients and their informal caregivers. Empirical and theoretically based interdisciplinary interventions focusing on diverse patient populations, across different illness trajectories and across the continuum of illness, as well as those which translate efficacious interventions into diverse settings to enhance EOL outcomes are of interest. Interventions capitalizing on biobehavioral variables are particularly encouraged, as are applications from new investigators and multiple PIs. Due: 4/18/09 (optional letters of intent); 5/18/09 (full applications). Link: <http://grants1.nih.gov/grants/guide/rfa-files/RFA-NR-09-004.html>

Department of Treasury: The OCC is establishing this Research Initiative to maintain its support for high-quality research on modeling issues that arise from the use of complex non-experimental and often incomplete data – data typically used by banks to develop risk models for underwriting, account management, and regulatory capital purposes. The OCC's Research Initiative is seeking proposals that would provide an environment for cooperative research across multiple disciplines on joint work with applied researchers from such fields as business, economics, statistics, and finance to investigate alternative methods of developing models when the structure of the data is less than ideal. Due: 7/31/09 (White papers); 8/28/09 (Proposals). Link: https://www.fbo.gov/?s=opportunity&mode=form&id=c6f5286d54e9b659daeaf1170b3ef35&tab=core&_cvview=1



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Education, Social Science, & Service (continued)

National Institute of Nursing Research/NIH/DHHS: *Incorporating Cost-Effectiveness Analysis into Factors Affecting Quality-of-Life Health Related Research*. The sponsors solicit applications to study cost-effectiveness of interventions that will improve health outcomes. The focus on the use of cost-effectiveness analysis is necessary in order to expand the knowledge base, increase awareness of the value of cost-effectiveness utilization, and to identify the next steps for incorporating cost-effectiveness analysis into translational research and patient-focused interventions pertinent to health-related quality of life. In addition to interest in cost-effectiveness analyses affiliated with acute and chronic health problems, this FOA is especially interested in applications that focus on the science areas of quality of life (self-management and symptom management) health promotion/disease prevention, as well as studies using new technologies and improving research methods. Due: 4/18/09 (optional letters of intent); 5/18/09 (full applications).
Link: <http://grants1.nih.gov/grants/guide/rfa-files/RFA-NR-09-005.html>

National Cancer Institute/NIH/DHHS: *Research On Ethical Issues In Human Subjects Research*. The sponsors offer support for Exploratory/Developmental Research Grant applications (R21) to investigate ethical issues in human subjects research. The purpose of this funding opportunity announcement is to solicit research addressing the ethical challenges of human subjects research in order to optimize the protection of human subjects and enhance the ethical conduct of human subjects research. Due: 2/16; 6/16; 10/16 annually. Link: <http://grants1.nih.gov/grants/guide/pa-files/PA-06-368.html>

National Cancer Institute/NIH/DHHS: *Research On Ethical Issues In Human Subjects Research*. The sponsors offer support for research grant applications to investigate ethical issues in human subjects research. The purpose of this funding opportunity announcement is to solicit research addressing the ethical challenges of human subjects research in order to optimize the protection of human subjects and enhance the ethical conduct of human subjects research. This program will use the NIH Small Research Grant (R03) award mechanism. Due: 2/16, 6/16, 10/16 annually (regular applications); 1/2, 5/1, 9/1 annually (AIDS-related applications). This program will expire on 9/8/10.
Link: <http://grants1.nih.gov/grants/guide/pa-files/PA-06-367.html>

National Cancer Institute/NIH/DHHS: *NIH-Supported Centers for Population Health and Health Disparities (CPHHD)*. The sponsors invite applications for Centers for Population Health and Health Disparities (CPHHD) Program. The CPHHD Program is designed to promote transdisciplinary research in the area of health inequities with the purpose of contributing directly to improved health outcomes and quality of life for populations with a higher disease burden. The focus is on both understanding the pathways that result in disparate health outcomes and developing comprehensive models of how various social, economic, cultural, environmental, biological, behavioral, physiological, and genetic factors affect individual health outcomes and their distribution in populations. Due: 4/29/09 (optional letters of intent); 5/29/09 (full applications).
Link: <http://grants1.nih.gov/grants/guide/rfa-files/RFA-CA-09-001.html>

Centers for Disease Control and Prevention/DHHS: *Health Promotion and Disease Prevention Research Centers: Special Interest Project Competitive Supplements (SIPS)*. This funding opportunity announcement (FOA) solicits cooperative agreement applications from applicant organizations that propose to (1) focus on the major causes of death and disability, with an emphasis on underserved and vulnerable populations (2) improve public health practice through community-based participatory research, and (3) designs, tests, disseminates, or translates effective public health programs at the state and community level. Due: 4/17/09 (Letters of intent); 5/15/09 (full applications).
Link: www.grants.gov (funding opp. #: RFA-DP09-00101SUPP09).

Directorate for Social, Behavioral and Economic Sciences/NSF: *Science of Learning Centers (SLC)*. The sponsor offers awards for large-scale, long-term Centers that create the intellectual, organizational and physical infrastructure needed for the long-term advancement of Science of Learning research. Due: 8/3/09; 2/1/10.
Link: http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=5567



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Education, Social Science, & Service (continued)

Centers for Disease Control and Prevention/DHHS: *Environmental Health and Toxicology Research Program*. The purpose of this announcement is to reduce the burden of environmental risks to human health, specifically in under-served or minority communities. The Agency for Toxic Substances and Disease Registry (ATSDR) within HHS is committed to achieving the health promotion and disease prevention objectives of "Healthy People 2010" and to measuring program performance as stipulated by the Government Performance and Review Act (GPRA). This RFA addresses "Healthy People 2010" priority area(s) for incorporation of environmental health into the educational institutions that train graduate students and primary health care providers through research and education to improve the public's understanding of health risks and prevention of environmental pollutants. Due: 4/17/09 (Letters of intent); 5/19/09 (full applications). Link: www.grants.gov (funding opp. #: RFA-TS-09-003).

Institute of Education Sciences/DoEd: *National Center for Education Research (NCER) – Education Research Program*. The sponsor announces the Institute's FY 2010 competitions for Grants to support education research. The intent of these grants is to provide national leadership in expanding fundamental knowledge and understanding of education from early childhood education through postsecondary and adult education. Due: 4/27/09, 8/3/09 (optional letters of intent); 6/25/09, 10/1/09 (full applications). Link: <http://a257.g.akamaitech.net/7/257/2422/01jan20081800/edocket.access.gpo.gov/2008/pdf/08-911.pdf>

Science, Technology, Engineering, & Mathematics (STEM)

Directorate for Computer and Information Sciences and Engineering/NSF: *Strategic Technologies for Cyberinfrastructure*. The primary purpose of the Strategic Technologies for Cyberinfrastructure Program (STCI) is to support work leading to the development and/or demonstration of innovative cyberinfrastructure services for science and engineering research and education that fill gaps left by more targeted funding opportunities. In addition, it will consider highly innovative cyberinfrastructure education, outreach and training proposals that lie outside the scope of targeted solicitations. Due: 8/13/09. Link: http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=500066

Directorate for Engineering/NSF: *Environmental Implications of Emerging Technologies*. The Environmental Implications of Emerging Technologies program provides support to develop and test the environmental effects of new technologies. Due: 8/15/09 through 9/15/09. Link: http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=501030

Directorate for Engineering/NSF: *Sensors and Sensing Systems (SSS)*. The SSS program supports research on methods to acquire and use sensor data on civil, mechanical, and manufacturing systems. Due: 9/1/09 through 10/1/09; 1/15/10 through 2/15/10. Link: www.grants.gov (funding opp. #: PD-08-1639).

Directorate for Biological Sciences/NSF: *Physiological and Structural Systems*. The sponsor supports research aimed at furthering the understanding of organisms as integrated units of biological organization. Due: 7/12/09; 1/12/10. Link: http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=501090

Directorate for Biological Sciences/NSF: *Neural Systems*. The sponsor provides funding for research focusing on how complex functions emerge from the interactions of the cellular elements of the nervous system as well as the interactions of the nervous system with other physiological systems and the environment. Due: 7/12/09; 1/12/10. Link: http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=501089

Directorate for Biological Sciences/NSF: *Behavioral Systems*. The sponsor supports research on the development, function, mechanisms and evolutionary history of behavior, with emphasis on a vertically integrated understanding of the behavioral phenotype. Due: 7/12/09; 1/12/10. Link: http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=501086

Directorate for Engineering/NSF: *Nano and Bio Mechanics (NBM)*. The NBM program supports fundamental research in biomechanics and nanomechanics. Due: 9/1/09 through 10/1/09; 1/15/10 through 2/15/10. Link: http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=13523



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STEM (continued)

Directorate for Engineering/NSF: Operations Research Program. The OR program supports research leading to advances in the science of models and algorithms that are applicable to the operation and optimization of large-scale systems. Due: 9/1/09 through 10/1/09; 1/15/10 through 2/15/10.

Link: http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=13341

Directorate for Engineering/NSF: Catalysis and Biocatalysis. The sponsor provides funding to support fundamental and applied research on catalysis and biocatalysis. Due: 8/15/09 through 9/15/09.

Link: http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=13360

Directorate for Mathematics and Physical Sciences/NSF: Applied Mathematics. The sponsor provides funding to support mathematics research motivated by or having an effect on problems arising in science and engineering. Due: 11/1/09 through 11/15/09. Link: http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=5664

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: 12/1/09 through 12/15/09. Link: http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=5390

Directorate for Engineering/NSF: Materials Processing and Manufacturing (MPM). The MPM program supports fundamental research on the interrelationship of materials processing, structure, performance and process control. Due: 9/1/09 through 10/1/09; 1/15/10 through 2/15/09. Link: http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=13344

Directorate for Engineering/NSF: Structural Materials and Mechanics (SMM). The SMM program supports fundamental research on the behavior of civil infrastructure materials and the mechanics of structural components in the built environment. Due: 9/1/09 through 10/1/09; 1/15/10 through 2/15/09.

Link: http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=13357

Directorate for Engineering/NSF: Engineering Design and Innovation (EDI). The EDI program supports research leading to design theory and to tools and methods that enable implementation of the principles of design theory in the practice of design across the full spectrum of engineered products. Due: 9/1/09 through 10/1/09; 1/15/10 through 2/15/09.

Link: http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=13340

Directorate for Engineering/NSF: Materials and Surface Engineering (MSE). The MSE program supports fundamental research leading to a better understanding of the effect of microstructure, surfaces and coatings on the properties and performance of engineering materials, and the ultimate control of these properties through material design. Due: 9/1/09 through 10/1/09; 1/15/10 through 2/15/09. Link: http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=13356

Directorate for Engineering/NSF: Control Systems Program. The CS program supports innovative research on control theory and control technology driven by real life applications. Due: 9/1/09 through 10/1/09; 1/15/10 through 2/15/09.

Link: http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=13575

Directorate for Mathematics and Physical Sciences/NSF: Chemistry Research Instrumentation and Facilities: Departmental Multi-User Instrumentation (CRIF: MU). The sponsor provides funding to universities, colleges, and consortia thereof for the purchase of multi-user instruments. The maximum request is \$500,000 for instrumentation. Additional funds may be requested for personnel who are needed to support cyber-enhanced projects. Due: 6/23/09.

Link: <http://www.nsf.gov/pubs/2009/nsf09546/nsf09546.htm>

U.S. Fish & Wildlife Service/DOI: Conservation of Marine Turtles. The sponsor is soliciting proposals for the conservation of marine turtles throughout their range outside the U.S. Due: 10/1/09.

Link: <http://www.fws.gov/international/DIC/pdf/NOFA%20Marine%20Turtle.pdf>



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STEM (continued)

Office of Naval Research: High-Bandwidth Free-Space Lasercomm. The Office of Naval Research (ONR) is seeking innovative solutions for high-bandwidth free-space laser communications (lasercomm) for tactical level digital communications for the United States Marine Corps (USMC) and the United States Navy (USN). Offerors will be asked to develop systems to provide tactical level digital lasercomm systems for integration with USN and USMC networks. Proposed solutions will enable high-bandwidth, jam-resistant communications with a low probability of intercept and detection (LPI/LPD) between tactical edge platforms and users over non-Radio Frequency (RF) communication paths in order to improve the robustness, security, and timely transmission of USN and USMC communications. Due: 5/8/09. Link: https://www.fbo.gov/?s=opportunity&mode=form&id=1089247930b4aa176e20de5e86ced6ef&tab=core&_cvview=1

Defense Advanced Research Projects Agency: Y-Dimensional Enhanced Sensor. DARPA seeks innovative proposals that address the technical and fabrication issues based on a preliminary design of a single chip focal plane array (FPA) that detects passive radiation in the Visible to Short Wave Infrared Vis-SWIR and Mid Wave Infrared MWIR bands and a laser return for three-dimensional (3D) imaging. This effort planned as a short duration single phase program that provides the preliminary design and performance measures of the single chip FPA. The results of this design and analysis may be used to specify technical and performance metrics in a potential follow-on BAA solicitation leading to a program which will address the development of the FPA integrated into a package suitable for laboratory evaluation and demonstration in prototype systems. Due: 5/4/09. Link: https://www.fbo.gov/index?s=opportunity&mode=form&id=0491eb721c40c1b55ee22a6961a8935d&tab=core&_cvview=0&ck=1&au=&ck=

U.S. Agency for International Development: Horticulture Collaborative Research Support Program (CRSP). The sponsor seeks applications from eligible universities or colleges to serve as the lead university for a Collaborative Research Support Program (CRSP) entitled: Horticulture. The successful applicant will be awarded a five-year Cooperative Agreement Leader Award with responsibility for managing a worldwide program of research and outreach activities intended to provide results in multiple countries and/or regions. Due: 5/18/09. Link: www.grants.gov (funding opp #: M-OAA-EGAT-PEP-09-706).

Department of the Navy: MOD 0002. Over-the-horizon technology vessel tracking has been of interest to the Department of Defense for decades. This project is to leverage existing HF radar systems to allow over-the-horizon vessel detection. Focus is on developing and testing a detection technology for approaching vessels inside America's Exclusive Economic Zone. This technology will fill the gap between microwave radar, which works in harbors at a close-in scale, and satellites, which track ships at the global ocean scale. Due: 9/30/09 (white papers). Link: https://www.fbo.gov/?s=opportunity&mode=form&id=f2fb6afab7c2af01a4ac91985e8eef51&tab=core&_cvview=0

National Institute of Child Health and Human Development/NIH/DHHS: Outcomes Research in Orthotics and Prosthetics. The sponsor solicits investigator initiated applications from institutions/ organizations to develop, validate and evaluate a health outcome system measure for the consumers of orthotics or limb prosthetics. This FOA will use the NIH Research Project (R01) award mechanism. Due: 6/24/09; 7/24/09. Link: www.grants.gov (funding opp #: RFA-HD-09-007).

Museum of Comparative Zoology: Ernst Mayr Travel Grants in Animal Systematics. The principal objective of these grants is to stimulate taxonomic work on neglected taxa. Such taxa include those with numerous poorly described species; genera and families known to have many undescribed species in institutional collections; taxa for which it is unknown what proportion of the nominal species are synonyms; and difficult genera without keys. Due: 4/15/09; 10/15/09. Link: http://www.mcz.harvard.edu/grants_and_funding/ernst-mayr-travel.html

Defense Advanced Research Projects Agency: Dynamic Prevention of Biofouling. DARPA is soliciting innovative research proposals for the Dynamic Prevention of Biofouling (DyPOB) program. The overall goals of the DyPOB program are to develop and demonstrate coatings and/or surfaces that are inherently impervious to biofouling for extended periods – especially while at zero or at low velocities, are biocide free, are durable for several years, and whose effectiveness does not degrade over the life expectancy of the coating/surface. Due: 5/11/09 (Proposals for Initial Selections). Link: www.grants.gov (funding opp #: DARPA-BAA-09-23)



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Office of Postsecondary Education/DoEd: *Technological Innovation and Cooperation for Foreign Information Access Program*. The sponsor invites applications for the Technological Innovation and Cooperation for Foreign Information Access (TICFIA) Program, which provides grants to support projects that will develop innovative techniques or programs using electronic technologies to collect information from foreign sources. The projects access, collect, organize, preserve, and widely disseminate information on world regions and countries other than the United States that address our Nation's teaching and research needs in international education and foreign languages. A total of approximately \$1.7 million is available. Due: 4/16/09. Link: www.grants.gov (funding opp #: ED-GRANTS-031709-001).

NASA: *ROSES 2009: Advancing Collaborative Connections for Earth System Science*. The primary objective of the Advancing Collaborative Connections for Earth System Science (ACCESS) program is to enhance, extend, and improve existing components of the sponsor's distributed and heterogeneous data and information systems infrastructure. The sponsor's Earth science data systems comprised of both core and community elements, directly support agency science and applied science goals and objectives. ACCESS projects increase the interconnectedness and reuse of key information technology software, techniques, and services underpinning the advancement of Earth science research. Due: 4/1/09 (optional letter of intent); 6/26/09 (proposals). Link: http://nspires.nasaprs.com/external/viewrepositorydocument/cmdocumentid=177036/ROSES2009_Amend2_clarified2.pdf

National Institute for Climatic Change Research: *Grants Program*. The sponsor invites applications for research to answer important questions about potential effects of contemporary climatic change on the structure and functioning of important U.S. terrestrial ecosystems, or that would answer important questions about possible feedbacks from terrestrial ecosystems to changes in climate or atmospheric composition. Due: 5/15/09 (required pre-proposals); 8/14/09 (invited full proposals). Link: http://niccr2.bio.nau.edu/files/NICCR_RFP_09_10.pdf

Air Force Office of Scientific Research: *Research Interests of the AFOSR--Aerospace, Chemical and Materials Sciences*. The Aerospace, Chemical and Material Science Directorate strives to find, support, and foster new scientific discoveries that will ensure future novel innovations for "The Future AF". The Directorate leads discovery and development of fundamental and integrated science that advances future air and space power. Due: Proposals are reviewed and evaluated as they are received. Proposals may be submitted at any time during the year. Link: www.grants.gov (funding opp #: AFOSR-BAA-2009-1).

Air Force Office of Scientific Research: *Research Interests of the AFOSR--Physics and Electronics Program*. Support is provided to qualified individuals and institutions for physics and electronics research. Due: This announcement will remain open through the remainder of FY09 or until replaced by a successor BAA. Proposals may be submitted at any time during this period. Link: www.grants.gov (funding opp #: AFOSR-BAA-2009-1).

Air Force Office of Scientific Research: *Research Interests of the AFOSR--Mathematics, Information and Life Sciences*. Support is provided for research in mathematics, information and life sciences. Due: Proposals are reviewed and evaluated as they are received. Proposals may be submitted at any time during the year. Link: www.grants.gov (funding opp #: AFOSR-BAA-2009-1).

NASA: *Ground-Based Studies in Radiobiology*. Proposals are solicited by the sponsor in the area of Space Radiation Biology utilizing beams of high energy heavy ions simulating space radiation at the NASA Space Radiation Laboratory (NSRL), at Brookhaven National Laboratory (BNL) in Upton, New York. Due: 4/23/09 (Step-1 proposals); 6/25/09 (invited Step-2 proposals determined to be relevant with respect to the Research Emphases). Link: <http://nspires.nasaprs.com/external/viewrepositorydocument/cmdocumentid=179575/NNJ09ZSA001N.pdf>

Office of Naval Research: *Electronics Technology*. ONR is interested in receiving proposals for efforts that aim to develop and demonstrate science and technology for the next generation (2010 - 2013) electronics devices under the following focus area: Wideband, Low Noise, Interference-Tolerant Receiver Component and Chain Development for Dense Signal Environments. Due: 4/10/09 (White papers); 6/26/09 (Proposals). Link: www.grants.gov (funding opp #: ONRBAA09-020).



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National Energy Technology Laboratory/DOE: *Technology Transfer*. The sponsor seeks a program of new ideas and activities through which information regarding the FE Natural Gas & Oil Program in general, and the results of individual research projects in particular, as well as industry-sponsored research, can be provided to a broad audience of industry stakeholders, primarily independent operators, small producers, academic researchers, technology developers, and those in a position to apply and/or commercialize those results. Due: 5/15/09. Link:

https://www.fedconnect.net/FedConnect/PublicPages/PublicSearch/Public_Opportunities.aspx

Golden Field Office/DOE: *Development of Supply Systems to Handle and Deliver High Tonnage Biomass Feedstocks for Cellulosic Biofuels Production*. The sponsor plans to support the increased production of high volumes of sustainably produced domestic biofuels from cellulosic feedstocks by seeking proposals to design new systems or adapt existing systems to handle industrial scale volumes of cellulosic feedstocks from the harvest point to the mouth of biorefinery production facilities. Feedstocks or combinations of feedstocks that will be considered include: agricultural residues, energy crops (switchgrass, miscanthus, energycane, sorghum, poplar, willow, etc), forest resources (forest thinnings, wood chips, wood wastes, small diameter trees, etc), and urban wood wastes. For purposes of this FOA; algae, animal wastes, and municipal solid wastes (MSW) are not acceptable feedstocks. Due: 5/18/09. Link:

https://www.fedconnect.net/FedConnect/PublicPages/PublicSearch/Public_Opportunities.aspx

National Energy Technology Laboratory/DOE: *Innovative and Advanced Technologies and Protocols for Monitoring/Verification/Accounting (MVA), Simulation, and Risk Assessment of Carbon Dioxide Sequestration in Geologic Formations*. Funding support under this program will be provided for projects that are focused on development and successful application of innovative, advanced technology and protocols for: (1) monitoring, verification, and accounting (MVA) of CO₂ sequestration in geologic formations; (2) simulating the behavior of geologically-sequestered CO₂; and (3) conducting risk assessments associated with geologic CO₂ sequestration activity. Due: 5/12/09. Link:

https://www.fedconnect.net/FedConnect/PublicPages/PublicSearch/Public_Opportunities.aspx

Department of the Army: *Research and Development - Unmanned Systems*. The TACOM Contracting Center (TCC), in Warren, Michigan, intends to solicit, on a full and open competitive basis, the systems engineering, development, integration, demonstration, and experimentations activities of the Army's safe operations of unmanned reconnaissance in complex environments (source) Army Technology Objective (ATO) program. This effort will develop and integrate technologies that advance the state of the art in perception and control technologies to permit unmanned systems (UMS) to autonomously conduct missions in populated, dynamic urban environments while adapting to changing conditions; develop initial tactical/mission behavior technologies to enable a group of heterogeneous UMS to maneuver in collaboration with mounted and dismounted forces; optimize soldier operation of UMS; provide improved situations awareness for enhanced survivability. Due: 5/11/09. Link:

https://www.fbo.gov/?s=opportunity&mode=form&id=e2567c99c3eb89b55a29fa581a8e18a2&tab=core&_cview=0

Directorate for Engineering/NSF: *Electronics, Photonics and Device Technologies (EPDT)*. The sponsor invites proposals for research to improve the fundamental understanding of devices and components based on the principles of micro and nano electronics, photonics, magnetics, organics, electro-optics, electromechanics, electromagnetics, and related physical phenomena. Due: 9/7/09 through 10/7/09; 1/7/10 through 2/7/10. Link:

http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=13379

Office of Naval Research: *Communications and Networking Discovery and Invention*. The goal of the Communications and Networking Program within the Office of Naval Research (ONR 312) is to support the FORCEnet vision by developing measurable advances in technology that can directly enable and enhance end-to-end connectivity and quality-of-service for mission-critical information exchange among such widely dispersed naval, joint and coalition forces. The vision is to provide high throughput robust communications and autonomous networking to ensure all warfighters from the operational command to the tactical edge have access to information, knowledge, and decision-making necessary to perform their assigned tasks. Due: 6/30/09.

Link: www.grants.gov (funding opp #: ONRBAA09-016).



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Directorate for Engineering/NSF: *Infrastructure Management and Extreme Events (IMEE)*. 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: 9/1/09 through 10/1/09; 1/15/10 through 2/15/10. Link: http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=13353

Directorate for Geosciences/NSF: *Ocean Drilling Program (ODP)*. Support is provided for participation and ocean drilling-related research performed by U.S. scientists. Due: 8/15/09; 2/15/10. Link: http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=13524

Directorate for Engineering/NSF: *Dynamical Systems*. The DS program supports research on the theory, analysis, modeling, simulation, design, and application of dynamical systems. Due: 9/1/09 through 10/1/09; 1/15/10 through 2/15/10. Link: http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=13574

Directorate for Engineering/NSF: *Civil Infrastructure Systems (CIS)*. The CIS program supports research leading to the intelligent engineering of distributed infrastructure systems. Due: 10/1/09; 2/15/10. Link: http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=13352

Directorate for Engineering/NSF: *Integrative, Hybrid and Complex Systems*. The Integrative, Hybrid and Complex Systems (IHCS) program intends to spur visionary systems-oriented activities in collaborative research and education environments for multidisciplinary integrative activities. Due: 9/7/09 through 10/7/09; 1/7/10 through 2/7/10. Link: http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=13381

Directorate for Mathematics and Physical Sciences/NSF: *Atomic Molecular and Optical Physics*. The sponsor provides support for research projects in the fields of atomic molecular and optical physics. Due: 9/30/09. Link: http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=13622

Directorate for Mathematics and Physical Sciences/NSF: *Elementary Particle Physics*. The sponsor supports research on particle physics. Due: 9/3/09. Link: http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=5624

Directorate for Mathematics and Physical Sciences/NSF: *Gravitational Physics*. The sponsor provides support for research projects in the field of gravitational physics. Due: 9/3/09. Link: http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=5628

Directorate for Mathematics and Physical Sciences/NSF: *Nuclear Physics*. The sponsor provides support for research projects in the field of nuclear physics. Due: 9/30/09. Link: http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=5627

Directorate for Mathematics and Physical Sciences/NSF: *Particle and Nuclear Astrophysics*. The sponsor provides support for research projects in the fields of particle and nuclear astrophysics. Due: 9/30/09. Link: http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=5633

Directorate for Mathematics and Physical Sciences/NSF: *Theoretical Physics*. The sponsor supports the development of qualitative and quantitative understanding of fundamental physical systems, ranging from the most elementary constituents of matter through nuclei and atoms to astrophysical objects and the cosmos. This includes formulating new approaches for theoretical, computational, and experimental research that explore the fundamental laws of physics and the behavior of physical systems; formulating quantitative hypotheses; exploring and analyzing the implications of such hypotheses analytically and computationally; and, in some cases, interpreting the results of experiments. Due: 9/3/09. Link: http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=5626