



## **New Funding Opportunities in the Fields of Energy and Environment**

Compiled by the Minnesota Office of Energy Security

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### **USDA: Renewable Energy Feasibility Grants**

The Rural Energy for America Program will provide funds to agricultural producers and rural small businesses to conduct feasibility studies for renewable energy systems. The Rural Energy for America Program is designed to help agricultural producers and rural small businesses reduce energy costs and consumption and help meet the nation's critical energy needs. The grants are awarded on a competitive basis and can be up to 25% of total eligible project costs. Grants are limited to \$50,000 for renewable energy feasibility studies. Eligible applicants are agricultural producers and rural small businesses. All agricultural producers, including farmers and ranchers, who gain 50% or more of their gross income from the agricultural operations are eligible. Small businesses that are located in a rural area can also apply. Rural electric cooperatives may also be eligible to apply. Refer to RDBCP-10-REAP-FEASIBILITY. Due Oct 5, 2010. <http://www.grants.gov/search/search.do?mode=VIEW&oppId=56574>

### **US DOE: Photovoltaic (PV) Manufacturing Initiative**

The PV Manufacturing Initiative (PVMI) is intended to accelerate the coordination of stakeholders and fund technology development efforts across the solar industry and, with other state and federal policy incentives, facilitate the development of a strong PV manufacturing industry and supply chain in the U.S. The ultimate goals of this initiative are to support the creation of a robust U.S. PV manufacturing base, develop a highly trained workforce with the critical required skills, and speed the implementation of new cutting edge technologies. Toward that end, the Department of Energy is interested in receiving applications covering a broad range of technologies and development models which can meet the PVMI goals. Applications under two separate topics are being sought: (1) University-Focused: designed to allow Universities to conduct industry-relevant research and development projects related to PV manufacturing; and (2) Industry-Focused: designed to allow Industry to accelerate the development and implementation of PV manufacturing-related technologies through both collaborative and non-collaborative models. The Industry-Focused topic is intended to also allow for the integration of university and workforce development initiatives; likewise, activities under the University-Focused topic are intended to have explicit industry support. Refer to DE-FOA-0000259. Due Oct 5, 2010.

<http://www.grants.gov/search/search.do?mode=VIEW&oppId=56242>

### **US DOE: PV TECHNOLOGY INCUBATOR REQUEST FOR LETTERS OF INTEREST (LOI)**

NREL is soliciting LOIs from individual U.S. small businesses and/or U.S. small-business-led teams working on innovative research and development of demonstrated PV concepts, cell and module prototypes, for both Tier 1 and Tier 2 of this Solicitation for LOI. The emphasis of this Solicitation for LOI for Tier 1 and Tier 2 is on overcoming the barriers to manufacturing scale-up and 2015 commercialization. The Key Performance Parameters (KPP) and commercialization goals need to go well beyond today's costs and/or performance in order to be competitive with the anticipated 2015 commercial market. This will require highly innovative approaches with the potential to significantly reduce cost. The Responder must differentiate themselves from the competitors by seeking out suitable solutions (e.g. cheaper substrates, higher throughputs, higher material utilization, higher performance, and extremely low-cost). High risk suitable solutions, but potentially disruptive technologies are required of Responders to this Solicitation for LOI. Topic Areas include, but are not limited to: Novel wafer-based silicon modules, Polycrystalline thin films, Film silicon on a foreign substrate, Concentrating PV module concepts (low-X and high-X), Organic PV, dye-sensitized solar cells, or other polymer-based solar cells, High Efficiency Concepts (e.g. multijunctions), NanoStructure-based concepts, Module/Cell/Wafer Processes.

Due Date: 09/16/10. Refer to No. REU-0-40054. [http://www.nrel.gov/business\\_opportunities/pdfs/40054\\_loi.pdf](http://www.nrel.gov/business_opportunities/pdfs/40054_loi.pdf)

### **US DOE: Development of Computer Aided Design Tools for Automotive Batteries**

The National Renewable Energy Laboratory (NREL) is issuing this Request for Proposals (RFP) to co-fund subcontractors to develop computer aided design tools for batteries intended for Electric Drive Vehicles (EDV). The goal for these design tools is to shorten the prototyping and manufacturing cycles and optimize batteries for improved performance, safety, long life, and low cost in EDVs. The objective of this project is to develop suites of software tools that enable automobile and battery manufacturers, pack integrators, and other end-users to simulate and design battery packs and accelerate development of energy storage systems that meet EDV requirements. Since there are a number of electrodes, components, and cell level models that have already been developed at national laboratories, academia, and even industry, it is desirable to utilize these models to integrate them in the proposed cell or pack modeling efforts, if applicable, as a way to reduce project cost and speedier development time. NREL is seeking subcontractors to perform the work outlined in the accompanying Statement of Work (SOW), which is broken down into three major tasks:

1. Battery Cell Level Model Development,
2. Battery Pack Level Model Development, and
3. Interface Development to Interact with the CAEBAT Open Architecture Software.

Refer to Number RCI-0-40497. Due 08/31/10. [http://www.nrel.gov/business\\_opportunities/pdfs/40497\\_rfp.pdf](http://www.nrel.gov/business_opportunities/pdfs/40497_rfp.pdf)

### **US DOE: MEASUREMENTS FOR VALIDATING THE ACCURACY OF MODELS FOR PREDICTING THE PERFORMANCE OF PV MODULES**

Models that can accurately predict the power produced by a photovoltaic (PV) module are essential for estimating the energy produced by a PV system. PV module power is influenced by solar irradiance, PV module temperature, spectral irradiance, angle-of-incidence, and other effects such as soiling. Some model components, such as angle-of-incidence and spectral corrections, require values of short-circuit current from PV module I-V curves for their validation. These data are generally not available to modelers for validation efforts, particularly with respect to current day PV technologies and for different climates. This work effort will provide measured I-V curves for PV modules of current technologies, and the associated meteorological data, that can be used for validating models for PV module performance. The data will be collected at a location climatically diverse from that at the National Renewable Energy Laboratory (NREL). Similar data are collected at NREL. The combined data set for the two locations will provide a wide range of climatic conditions for model validation efforts. For PV technologies, climatic diversity is related to dry bulb temperature, cloudiness, atmospheric water vapor, atmospheric aerosols, latitude, and elevation. The objective of this work effort is to measure PV module performance and the solar radiation and meteorological conditions for a wide range of climatic conditions that differ from NREL's, and for all current PV technologies. The resulting data will be publicly available, for use by industry and the research community, to develop and validate models for predicting the performance of PV modules. **Due Date: 08/16/10.** Solicitation Packet (PDF 924 KB) [http://www.nrel.gov/business\\_opportunities/pdfs/40062\\_rfp.pdf](http://www.nrel.gov/business_opportunities/pdfs/40062_rfp.pdf)

### **EPA: MARKET-BASED APPROACHES TO REDUCING GREENHOUSE GAS EMISSIONS THROUGH ENERGY EFFICIENCY IN HOMES AND BUILDINGS**

The Climate Protection Partnerships Division seeks proposals from eligible entities to advance national, regional, state, and local energy efficiency programming by utilizing market-based approaches to program design and delivery by fostering information exchange on policies that are supportive of these approaches. Proposals must demonstrate the potential to create a sustainable change in the market for energy efficient products, services, and best practices. Proposed activities must address, but are not limited to, one or more of the following objectives:

- Improving energy performance in the residential and commercial/government market through increased use of high-efficiency products;
- Increasing supply/market share for high efficiency products through retail, internet sales (e-tail), and other sales outlets;
- Delivering improved energy performance to existing commercial buildings (e.g., offices, schools, hotels, hospitals, supermarkets, datacenters, etc.) through technology or practice;
- Promoting improved energy performance in the commercial new construction market;
- Promote CHP as clean distributed generation in developing state and local energy and environmental strategies;
- CHP's inclusion in energy performance measurement and rating systems to demonstrate with robust measurement and verification, CHP's contribution as an energy efficiency measure and its capacity to reduce GHG emissions, and;
- Providing information and technical assistance at the state or regional level about policies and programs that have been effective in maximizing energy savings and GHG emission reductions within the utility sector.

Additionally, proposals submitted for consideration must address the following components: (1) identify unique constituencies and approaches or channels for working with stakeholders; (2) demonstrate an understanding of the technologies and market structure for delivery of the technologies, or best practices, to end users; (3) identify market barriers to greater adoption of energy efficient technologies, or best practices; and (4) delineate strategies for overcoming barriers identified. RFP NUMBER: EPA-OAR-CPPD-10-11. Due September 2, 2010. <http://www.grants.gov/search/search.do?mode=VIEW&oppId=55806>

### **EPA: Fiscal Year 2010 Request for Proposals to Coordinate Regional Pollution Prevention Information Network Centers**

Under this RFP, EPA expects to fund one proposal for the coordination of a national network of eight regional pollution prevention information centers. The centers are referred to as Regional centers in this document and are collectively known as the Pollution Prevention Resource Exchange (P2Rx). Under CFDA 66.717 grants may be awarded to support pollution prevention/source reduction and/or resource conservation projects that help to eliminate pollution at the source. The Regional centers collaborate with State and local technical assistance providers to share pollution prevention (P2) information and training nationwide. The coordinator shall be able to provide leadership in the following areas: 1) support national P2 initiatives, 2) support collaboration and efficiency among the regional centers, 3) support evaluation and ensure quality P2 information products, and 4) assist in marketing P2Rx services nationally. Due Sep 20, 2010 Please refer to the full announcement, including Section IV, for additional information on submission methods and due dates. <http://www.grants.gov/search/search.do?mode=VIEW&oppId=56066>

### **USDA: Phase I Small Business Innovation Research**

The purpose of the SBIR program is to provide an opportunity for US-owned, for-profit small business firms to submit innovative, applied, research and development projects that address important problems facing American agriculture and have the potential to lead

to significant public benefit if the research is successful. Research proposals are accepted in any of the following topic areas: 1) Forests and Related Resources; 2) Plant Production and Protection - Biology; 3) Animal Production and Protection; 4) Air, Water, and Soils; 5) Food Science and Nutrition; 6) Rural Development; 7) Aquaculture; 8) Biofuels and Biobased Products; 9) Marketing and Trade; 10) Animal Manure Management; 11) Small and Mid-Size Farms; and 12) Plant Production and Protection - Engineering. This SBIR program funding opportunity is for Phase I applications. The purpose of Phase I is to prove the scientific or technical feasibility of the proposed research and development effort. Phase I projects typically are for 8 months. Refer to USDA-NIFA-SBIR-003240. Due Sept 2, 2010. (For assistance with SBIR or STTR in Minnesota, please contact Betsy Lulfs, MN's Small Business program Manager at the Dept. of Employment and Economic Development. Betsy can be reached at [Betsy.Lulfs@state.mn.us](mailto:Betsy.Lulfs@state.mn.us) or 651/259-7441.) <http://www07.grants.gov/search/search.do?&mode=VIEW&oppId=55375>

#### **USDA's Rural Utilities Program: Assistance to High Energy Cost Rural Communities**

USDA's Rural Utilities Service High Energy Cost Grant Program offers financial assistance to provide or improve energy generation, transmission, and distribution facilities serving rural communities with home energy costs exceeding 275 percent of the national average. Applications must meet eligibility requirements for applicants, project activities, beneficiary communities to qualify under this program. Applicants must demonstrate that the grant project target community qualifies as an extremely high energy cost community under one or more eligibility benchmarks. . . Eligible purposes include the acquisition, construction, installation, repair, replacement, or improvement of energy generation, transmission, or distribution facilities in high energy cost communities. On-grid and off-grid renewable energy projects, and implementation of energy efficiency, and energy conservation projects are eligible. An activity that meets the objectives of providing or improving energy service, or reducing the costs of energy services to eligible communities is an acceptable grant purpose. Examples of eligible project activities include the acquisition, construction, installation, replacement, repair, or improvement of: (1) Electric generation, transmission, and distribution facilities, equipment, and materials, including associated and supporting activities, land or right of way acquisition, engineering or professional expenses, and permitting costs;(2) Natural gas distribution or storage facilities and associated equipment;(3) Petroleum product storage and handling facilities;(4) Renewable energy facilities and equipment for power generation, or water, space, or process heating (renewable energy sources include solar, wind, hydropower, and biomass technologies); and(5) Backup or emergency power generation or energy storage equipment, included distributed generation installed on consumer premises. See solicitation for this year's energy use eligibility criteria. Due Sep 8, 2010. <http://www.grants.gov/search/search.do?mode=VIEW&oppId=56463>

#### **USDA Business and Cooperative Programs: Research on the Economic Impact of Cooperatives**

Approximately \$492,000 will be made available in competitive cooperative agreement funds for an institution of higher education to conduct research on the national economic impact of all types of cooperatives. The primary objective of this cooperative research agreement program is to facilitate university research on the national economic impact of cooperatives. Due Sept 1, 2010. <http://www.grants.gov/search/search.do?mode=VIEW&oppId=56462>

#### **USDA: Voluntary Public Access and Habitat Incentive Program**

The Voluntary Public Access and Habitat Incentive Program (VPA-HIP) is a competitive grants program authorized under sect. 1240R of the Food Security Act of 1985, as amended (16 U.S.C. 3839bb-5), and is only available for State and tribal governments. Up to \$50 million is available through fiscal year (FY) 2012. For FY 2010, up to \$16.667 million is available. This Request for Applications (RFA) provides the objectives for projects, the eligibility criteria for projects and applicants, and the application forms and associated instructions needed to apply for a VPA-HIP competitive grant. The primary objective of the VPA-HIP is to encourage owners and operators of privately-held farm, ranch, and forest land to voluntarily make that land available for access by the public for wildlife-dependent recreation, including hunting or fishing, under programs implemented by State or tribal governments. Eligibility limited to state and tribal governments. Due Aug 23, 2010. <http://www.grants.gov/search/search.do?mode=VIEW&oppId=55686>

#### **USDA: Peoples Garden School Pilot Program**

The Food and Nutrition Service (FNS) is announcing the opportunity for public and not-for-profit organizations to submit applications for a Peoples Garden School Pilot Program grant competition. FNS has set aside \$1 million for this pilot program. One grantee will be selected to enter into a cooperative agreement for the purposes of developing and running community gardens at eligible high-poverty schools; teaching students involved in the gardens about agriculture production practices, diet, and nutrition; contributing produce to supplement food provided at eligible schools, student households, local food banks, or senior center nutrition programs; and conducting an evaluation of funded projects to learn more about the impacts of school gardens. Interested parties must adhere to all the application material requirements in order to be considered for funding. FNS must receive completed grant applications on or before 5 p.m. Eastern Daylight Time (EDT), Oct. 8, 2010. Applications may be submitted by email to: [FY2010Prop\\_PeoplesGarden@fns.usda.gov](mailto:FY2010Prop_PeoplesGarden@fns.usda.gov) or [www.grants.gov. http://www07.grants.gov/search/search.do?&mode=VIEW&oppId=56501](http://www07.grants.gov/search/search.do?&mode=VIEW&oppId=56501)

#### **US DOE: Genomic Science & Technology for Energy and the Environment**

The Office of Biological and Environmental Research (BER) is interested in receiving applications for the following research areas: 1) Microbial Environmental Processes: To develop a systems-level understanding of the functional processes used by microbes and microbial consortia that link the internal metabolic processes of microbial species to their external biogeochemical activities; 2) Microbial and Plant Processes for Bioenergy: To develop new approaches that advance our understanding of the systems biology of

plant and microbes in producing biofuels including the utilization of lignocellulosic biomass and microbial synthesis of advanced biofuel; 3) Characterizing Key Molecular Species, Events, and Multicellular Processes for Genomic Science: To develop innovative technology approaches to characterize biological processes and networks at the subcellular, cellular and multicellular levels. Refer to DE-FOA-0000368. Due September 10, 2010. <http://www07.grants.gov/search/search.do?&mode=VIEW&oppId=54706>

#### **EPA: Environmental Research Apprenticeship Program for Pre-Baccalaureate College Students**

The U.S. Environmental Protection Agency, National Risk Management Research Laboratory, Ground Water and Ecosystem Restoration Division (GWERD) is located in Ada, OK and is the site of the Environmental Research Apprenticeship Program for Pre-Baccalaureate College Students (ERAP). This Request for Applications (RFA) seeks institutions of higher education and other non-profit organizations to implement an apprenticeship program for up to 15 pre-baccalaureate college students. This program provides undergraduate students with year-round research opportunities that allow students to relate hands-on research experience with formal academic studies. It also provides invaluable experience regarding the relevance of academic training to the conduct of research. It is intended that the research experience be gained through a mentoring relationship with a Senior Ground Water and Ecosystem Restoration Division (GWERD) scientist working in a fully operational federal research laboratory. This program provides direct benefit to the academic community and the general public by increasing both the effectiveness and pool of available environmental scientists for the future. Due Sept 10, 2010. <http://www.grants.gov/search/search.do?mode=VIEW&oppId=56185>

#### **EPA Black Carbon, Climate and Air Quality- \$7 million**

Eligible Entities: State and local governments and others

The U.S. Environmental Protection Agency requests proposals for Black Carbon's Role in Global to Local Scale Climate and Air Quality. This RFP will support areas including, but not limited to, emission source research, the global- to local-scale emissions inventory, and co-pollutants. This RFP will also support opportunities for early career projects. \$7 million is expected to be available, and up to 9 awards are anticipated. Application Due: September 22, 2010. Eligible Entities: State and local governments and others [http://www.epa.gov/ncer/rfa/2010/2010\\_star\\_blackcarbon.html](http://www.epa.gov/ncer/rfa/2010/2010_star_blackcarbon.html). Refer to Sol# EPA-G2010-STAR-L1 and EPA-G2010-STAR-L2.

#### **EPA: Environmental Research Apprenticeship Program for Pre-Baccalaureate College Students**

This Request for Applications (RFA) seeks institutions of higher education and other non-profit organizations to implement an apprenticeship program for up to 15 pre-baccalaureate college students. This program provides undergraduate students with year-round research opportunities that allow students to relate hands-on research experience with formal academic studies. It also provides invaluable experience regarding the relevance of academic training to the conduct of research. It is intended that the research experience be gained through a mentoring relationship with a Senior Ground Water and Ecosystem Restoration Division (GWERD) scientist working in a fully operational federal research laboratory. Refer to EPA-ORD-NRMRL-ADA-2010-01; Due September 15, 2010. <http://www.grants.gov/search/search.do?mode=VIEW&oppId=56185>

#### **EPA: Region 5 Water Quality Cooperative Agreements**

The United States Environmental Protection Agency (US EPA) Region 5 is soliciting proposals for the CFDA 66.463 Water Quality Cooperative Agreements program under Section 104(b)(3) of the Clean Water Act for projects in Region 5, specifically Illinois, Indiana, Michigan, Minnesota, Ohio and Wisconsin. These funds may be used to conduct and promote the coordination and acceleration of investigations, training, demonstrations, surveys and studies relating to the causes, effects, extent, prevention, reduction and elimination of water pollution. The purpose of this assistance program is to provide funding for unique and innovative projects that address the requirements of the National Pollutant Discharge Elimination Systems (NPDES) Permits Program. Specifically, we are seeking unique and innovative proposals for projects to be conducted in Illinois, Indiana, Michigan, Minnesota, Ohio and Wisconsin that will advance NPDES program strategies to: decrease costs for wastewater treatment through asset management and energy efficiency; using green infrastructure to control storm water and reduce impacts of wet weather flows; create incentives for projects that include sustainable infrastructure elements; and increase public awareness of the full cost of operating and maintaining wastewater treatment systems. These priorities and example projects are further defined below. Due Sept 7, 2010. <http://www.grants.gov/search/search.do?mode=VIEW&oppId=56073>

#### **EPA: FY 2011 National Environmental Information Exchange Network Grant Program**

EPA, states, territories, and tribes are working together to develop the Exchange Network (EN), a secure, Internet- and standards-based way to support electronic data reporting, sharing, and integration of both regulatory and non-regulatory environmental data. EN Partners exchanging data with each other or with EPA, should make the Exchange Network and the Agency's connection to it, the Central Data Exchange (CDX), the standard way they exchange data and should phase out any legacy methods they have been using. More information on the Exchange Network is available at [www.exchangenetwork.net](http://www.exchangenetwork.net). Due Nov 5, 2010. <http://www.grants.gov/search/search.do?mode=VIEW&oppId=56613>

#### **EPA: Research Grants to Foster Clean Up of Contaminated Sites**

CERCLA 311(c) provides authority for assistance to states, territories, Indian Tribes, and possessions of the U.S., including the District of Columbia, public and private universities and colleges, hospitals, laboratories, other public or private nonprofit institutions, and individuals. In some instances, EPA will consider applications from profit makers, proposing projects with significant technical merit and relevance to EPA's Office of Solid Waste and Emergency Response. Nonprofit organizations described in Section 501(c)(4)

of the Internal Revenue Code that engage in lobbying activities as defined in Section 3 of the Lobbying Disclosure Act of 1995 are not eligible to apply. The purpose of the assistance agreement to be awarded under this RFP is to promote and stimulate research for use by state environmental officials to address Superfund policy and implementation issues of importance to states. This research will foster the resolution of Superfund related issues and aid in the identification of emerging Superfund issues that concern the states. This research will support state “co-regulators” participation in developing policies, procedures and guidance to promote efficient cleanup work by states under the Superfund Program. Due Sept 16, 2010.

<http://www.grants.gov/search/search.do?mode=VIEW&oppId=56505>

#### **HUD: Sustainable Communities**

The U.S. Department of Housing & Urban Development requests proposals for the Sustainable Communities Regional Planning Grant Program. This program will support metropolitan and multijurisdictional planning efforts that integrate housing, land use, economic and workforce development, transportation, and infrastructure investments in a manner that empowers jurisdictions to consider the interdependent challenges of: 1) Economic competitiveness and revitalization; 2) Social equity, inclusion, and access to opportunity; 3) Energy use and climate change; and 4) Public health and environmental impacts. \$98 million expected to be available, award range \$100K to \$5 million. Refer to Sol# FR-5396-N-03. Responses due 8/23/10. For more info, contact

[sustainablecommunities@hud.gov](mailto:sustainablecommunities@hud.gov) or go to: <http://www.grants.gov/search/search.do?mode=VIEW&oppId=55456>.

#### **HUD Community Challenge Planning & DOT Tiger II Planning Grant**

The Partnership for Sustainable Communities agreed to a set of six “Livability Principles” to govern the work of the Partnership and for each of the three agencies to strive to incorporate into their policies and funding programs to the degree possible. In addition, each agency has clear and defined roles: HUD will take the lead in funding, evaluating, and supporting integrated regional planning for sustainable development, and will invest in sustainable housing and community development efforts. DOT will focus on building the capacity of transportation agencies to integrate their planning and investments into broader plans and actions that promote sustainable development, and investing in transportation infrastructure that directly supports sustainable development and livable communities. EPA will provide technical assistance to communities and States to help them implement sustainable community strategies, and develop environmental sustainability metrics and practices. The three agencies have made a commitment to coordinate activities, integrate funding requirements, and adopt a common set of performance metrics for use by grantees. Due Aug 23, 2010.

<http://www.grants.gov/search/search.do?mode=VIEW&oppId=56236>

#### **NASA SBIR/STTR Sub-topics Include Fuel Cells and Electrolyzers**

The National Aeronautics and Space Administration (NASA) issued its 2010 Small Business Innovation Research/Small Business Technology Transfer (SBIR/STTR) solicitation, with sub-topics including “Electric Propulsion Systems” and “Fuel Cells and Electrolyzers for Space Applications.” Approximately 300 SBIR and 30 STTR Phase I proposals are expected to be selected, subject to the availability of funds. SBIR/STTR Phase I contracts have a maximum value of \$100,000. Phase I proposals are due September 2, 2010.

<http://sbir.gsfc.nasa.gov/SBIR/sbirsttr2010/solicitation/index.html>

#### **U.S. Department of Health & Human Services: Climate Change and Health**

The U.S. Department of Health & Human Services requests proposals for Climate Change and Health: Assessing and Modeling Population Vulnerability to Climate Change. This RFP encourages research of risk factors of populations that lead to or are associated with increased vulnerability to exposures, diseases, and other adverse health outcomes related to climate change. Refer to Sol# PAR-10-235. Letters of Intent Receipt Date(s): August 28, 2010; April 24, 2011; April 24, 2012. Application Due Date(s): September 28, 2010; May 24, 2011; May 24, 2012. For more info, including funding and program contacts, go to:

<http://grants.nih.gov/grants/guide/pa-files/PAR-10-235.html>.

#### **NSF: Small Business Technology Transfer Program Phase I Solicitation FY-2011 (STTR)**

The STTR program solicits proposals from the small business sector consistent with NSF's mission. The program is governed by Public Law 107-50. A main purpose of the legislation is to stimulate technological innovation and increase private sector commercialization. The NSF STTR program is therefore in a unique position to meet both the goals of NSF and the purpose of the STTR legislation by transforming scientific discovery into both social and economic benefit, and by emphasizing private sector commercialization. Accordingly, NSF has formulated a broad solicitation topic for STTR that focuses on Digital Gaming in Education (DGE). Due Nov 17, 2010. [http://www.nsf.gov/pubs/2010/nsf10590/nsf10590.htm?WT.mc\\_id=USNSF\\_25&WT.mc\\_ev=click](http://www.nsf.gov/pubs/2010/nsf10590/nsf10590.htm?WT.mc_id=USNSF_25&WT.mc_ev=click)

<http://www.grants.gov/search/search.do?mode=VIEW&oppId=56349>

#### **NSF: Control Systems**

The CS program supports innovative research on control theory and control technology driven by real life applications. The program accepts proposals on transformative research in established topic areas such as model-based control. However, the program emphasis is on paradigm-shifting ideas for control strategies that may be inspired by nature, unconventional applications, and the combined role of feedback and uncertainty in systems that incorporate large numbers of sensors and actuators. New sensor and actuator concepts that integrate feedback and signal processing to achieve a sensing or actuation objective are also funded. Refer to PD-10-1632. Due Oct 1, 2010. <http://www.grants.gov/search/search.do?mode=VIEW&oppId=56605>

### **NSF: Civil Infrastructure Systems**

The CIS program supports research leading to the intelligent engineering of distributed infrastructure systems. Areas of interest include intra- and inter-dependencies in infrastructure design and operation for resilience and sustainability, infrastructure protection, and advanced information technologies for health monitoring, condition assessment, deterioration and asset management. Special emphasis is on risk analysis, life-cycle frameworks, cyber-enabled simulation, and technologies for design, construction, and operation of resilient and sustainable infrastructure networks. Due Oct 1, 2010.

<http://www.grants.gov/search/search.do?mode=VIEW&oppId=56362>

<http://www.grants.gov/search/search.do?mode=VIEW&oppId=56361>

### **NSF: Opportunities for Promoting Understanding through Synthesis**

All four clusters within the Division of Environmental Biology ( Population and Community Ecology, Ecosystem Science, Evolutionary Processes and Systematic Biology and Biodiversity Inventories) encourage the submission of proposals aimed at synthesizing a body of related research projects conducted by a single individual or a group of investigators over an extended period. OPUS proposals will often be appropriately submitted in mid-to-late career, but will also be appropriate early enough in a career to produce unique, integrated insight useful both to the scientific community and to the development of the investigator's future work. In cases where multiple scientists have worked collaboratively, an OPUS award will provide support for collaboration on a synthesis. Jan 07, 2011 Full Proposal Deadline changed to Jan 07, 201. <http://www.grants.gov/search/search.do?mode=VIEW&oppId=53639>

### **NSF: Solid State and Materials Chemistry**

This multidisciplinary program supports basic research in solid state and materials chemistry comprising the elucidation of the atomic and molecular basis for material development and properties in the solid state from the nanoscale to the bulk. General areas of interest include but are not limited to innovative approaches to design, synthesis, bulk crystal and/or film growth, and characterization of novel organic, inorganic, and hybrid materials, as well as liquid crystal materials and multi-component material systems exhibiting new phenomena and/or providing new scientific insights into structure/composition/property relationships in the solid state. Relevant topics include original material design principles, new approaches to assembly or crystalline material growth, characterization of new material phenomena or superior behavior, investigations of surface and interfacial effects on material system structures and properties, and unraveling the relationships between structure/composition (e.g. self- or program-assembled materials, crystalline material growth, and nanostructured material systems) and properties (e.g. charge, ionic, thermal or spin transport, exciton diffusion, chemical reactivity and selectivity, etc.). Development of new organic solid state materials, environmentally-safe and sustainable materials, and fundamental studies of novel material and material systems for efficient energy harvesting, conversion and storage are encouraged. Oct 31, 2010 Submission Window Date(s) (due by 5 p.m. proposer's local time): September 01, 2010 - October 31, 2010.

<http://www.grants.gov/search/search.do?mode=VIEW&oppId=50284>

### **NSF: Structural Materials and Mechanics**

The National Science Foundation requests proposals for Structural Materials and Mechanics. This program supports fundamental research on the behavior of civil infrastructure materials and the mechanics of structural components in the built environment. Of particular interest is research on structural components consisting of natural and synthetic materials, their response to mechanical, hydrothermal, and time-dependent loads, and their impact on life-cycle performance and sustainable development of the civil infrastructure. Responses due 10/1/10. Refer to Sol# PD-10-1635. For more info, contact Lawrence Bank at [lbank@nsf.gov](mailto:lbank@nsf.gov) or go to: [http://www.nsf.gov/funding/pgm\\_summ.jsp?pims\\_id=13357](http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=13357).

### **NSF: Materials and Surface Engineering**

The National Science Foundation requests proposals for Materials and Surface Engineering. This 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. Responses due 10/1/10. Refer to Sol# PD-10-1633. For more info, contact Clark Cooper at [ccooper@nsf.gov](mailto:ccooper@nsf.gov) or go to:

[http://www.nsf.gov/funding/pgm\\_summ.jsp?pims\\_id=13356](http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=13356).

### **NSF: Centers for Chemical Innovation**

The Centers for Chemical Innovation (CCI) Program supports research centers focused on major, long-term fundamental chemical research challenges. CCIs that address these challenges will produce transformative research, lead to innovation, and attract broad scientific and public interest. CCIs are agile structures that can respond rapidly to emerging opportunities and make full use of cyberinfrastructure to enhance collaborations. CCIs may partner with researchers from industry, government laboratories and international organizations. CCIs integrate research, innovation, education, and public outreach and include a plan to broaden participation of underrepresented groups. The CCI program is a two-phase program. Both phases are described in this solicitation. Phase I CCIs receive significant resources to develop the science and integrative elements of a CCI before requesting Phase II funding. Phase I proposals funded in FY2011 will seek Phase II funding in FY2014. Only organizations receiving Phase I awards in FY2008 are eligible to request Phase II funding in FY2011. Preliminary Proposal Due Date(s) (required): October 12, 2010 Phase I, required preliminary proposal Full Proposal Deadline(s): October 11, 2010 Phase II March 28, 2011 Phase I, by invitation only.

<http://www.grants.gov/search/search.do?mode=VIEW&oppId=55776>

### **NSF: Ecosystem Science**

The Ecosystem Science Cluster support investigations of whole-system ecological processes and relationships across a diversity of spatial and temporal (including paleo) scales in order to advance understanding of: 1) material and energy fluxes and transformations within and among ecosystems, 2) the relationships between structure, including complexity, and functioning of ecosystems, 3) ecosystem dynamics and trajectories of ecosystem development through time, and 4) linkages among ecosystems at different spatial and temporal scales. Research on natural, managed and disturbed ecosystems is supported, including terrestrial, freshwater, wetland, coastal (including salt marsh and mangrove), and human-dominated environments. Proposals may focus on areas such as: biogeochemical cycling and element budgets from local to global scales; roles of microbes in ecosystem functioning; primary productivity; stoichiometric relationships; climate-ecosystem feedbacks; energy and radiatively-active gas fluxes; relationships between diversity and ecosystem function; ecosystem services; and landscape dynamics. Proposals may focus on the cycling of non-nutrient elements, but those specifically ecotoxicological in orientation, or without an explicit link to ecosystem processes, will not be considered. Ecosystem-oriented proposals that focus on coastal marine or deep ocean or Laurentian Great Lakes habitats are reviewed by the Biological Oceanography Program in the Division of Ocean Sciences. Studies of the structure of and linkages within food webs are reviewed by the Ecological Biology program, also in the Division of Environmental Biology. Refer to (04-7381; Due January 9, 2011 [http://www.nsf.gov/funding/pgm\\_summ.jsp?pims\\_id=12822&org=NSF&sel\\_org=NSF&from=fund](http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=12822&org=NSF&sel_org=NSF&from=fund)

### **NSF: Materials and Surface Engineering**

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. Of particular interest is materials service under conditions such as impact, temperature extremes, corrosion, oxidation, and friction. The program also supports research leading to biomedical applications of materials. Funded research includes both experimental and theoretical approaches. Due Oct 1, 2010. <http://www.grants.gov/search/search.do?mode=VIEW&oppId=56354>

### **NSF: Population & Community Ecology**

The Population and Community Ecology Cluster supports research that advances the conceptual or theoretical understanding of population ecology, species interactions and community dynamics in terrestrial, wetland and freshwater habitats. We encourage projects that integrate theoretical, modeling, and empirical approaches, or that promote synthesis across spatial and temporal scales. Refer to 09-1128; Due January 9, 2011. [http://www.nsf.gov/funding/pgm\\_summ.jsp?pims\\_id=503414](http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=503414)

### **NSF: Nano and Bio Mechanics**

The NBM program supports fundamental research in biomechanics and nanomechanics. Research on biomechanics focuses on the mechanical properties and behavior of biological materials and structures, including cells, tissue, muscles, bones, and prosthetic implants. Research on nanomechanics focuses on the unique properties of nano-scale particles and microstructural features and their effects on the macroscopic mechanics and properties of materials, surfaces, and structures that contain them. Due Oct 1, 2010. <http://www.grants.gov/search/search.do?mode=VIEW&oppId=56350>

### **NSF: Sensors and Sensing Systems**

The National Science Foundation requests proposals for Sensors and Sensing Systems. This program supports research on methods to acquire and use sensor data on civil, mechanical, and manufacturing systems. The program supports fundamental research on advanced actuators, sensors, wireless sensor networks, new materials and concepts for sensing applications, power generation and energy supply for sensors and sensing systems. Also of interest is research on the strategic incorporation of sensors into both natural and engineered systems to achieve effective data acquisition and on processing and transmission of sensor data. Responses due 10/1/10. Refer to Sol# PD-10-1639. For more info, contact Shih Liu at [sliu@nsf.gov](mailto:sliu@nsf.gov) or go to: [http://www.nsf.gov/funding/pgm\\_summ.jsp?pims\\_id=13349](http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=13349).

### **NSF: Dynamical Systems**

This program supports innovative research on the theories of dynamical systems, including new analytical and computational tools, as well as the novel application of dynamical systems to engineered systems. The program is especially interested in transformative research in the area of complex systems, uncertain or stochastic nonlinear dynamical systems, model order reduction of nonlinear or infinite dimensional dynamical systems, discrete nonlinear dynamical systems, and modeling, simulation, analysis and design of multi-scale multi-physics dynamical systems. Refer to PD-10-7478. Due Oct 1, 2010. <http://www.grants.gov/search/search.do?mode=VIEW&oppId=56359>

### **NSF: Operations Research**

The OR program supports fundamental research leading to the creation of innovative mathematical models, analysis, and algorithms for optimal or near optimal decision-making, applicable to the design and operation of manufacturing, service, and other complex systems. In addition to the traditional areas of Operations Research which includes discrete and continuous optimization as well as stochastic modeling and analysis, new research thrusts include simulation optimization and self-optimizing systems that can observe, learn, and adapt to changing environments. Due Oct 1, 2010. <http://www.grants.gov/search/search.do?mode=VIEW&oppId=56363>

**NSF: Geotechnical Engineering**

The GTE program supports fundamental research on geotechnical aspects of civil infrastructure, such as foundation engineering, site characterization, underground construction, tunneling, drilling, and mining engineering. Also included is research on geoenvironmental engineering, geotechnical earthquake engineering that does not involve the use of George E. Brown, Jr. Network for Earthquake Engineering Simulation (NEES) facilities, and geohazards such as tsunamis, landslides, mudslides and debris flows, scour, and erosion. Emphasis is on issues of sustainability and resilience. Refer to PD-10-1636. Due Oct 1, 2010.

<http://www.grants.gov/search/search.do?mode=VIEW&oppId=56348>

**NSF: Geobiology and Low-Temperature Geochemistry**

The Geobiology and Low-Temperature Geochemistry Program supports research on 1) the interactions between biological and geological systems; 2) geomicrobiology and biomineralization processes; 3) the role of life in the transformation and evolution of the Earth's geochemical cycles; 4) inorganic and organic geochemical processes; 5) mineralogy and chemistry of soils and sediments; 6) surficial chemical and biogeochemical systems and cycles and their modification through natural and anthropogenic change; and 7) development of tools, methods, and models for low-temperature geochemistry and geobiological research. Refer to 09-552; Due January 16, 2011. <http://www.nsf.gov/pubs/2009/nsf09552/nsf09552.htm>

**NSF: Long Term Research in Environmental Biology**

Through the LTREB program, the Division of Environmental Biology (DEB) and the Division of Integrative Organismal Systems (IOS) encourage the submission of proposals that generate extended time series of biological and environmental data to address ecological and evolutionary processes and resolve important issues in organismal and environmental biology. Researchers must have collected at least six years of previous data to qualify for funding, and these data must motivate the proposed research. The proposal also must present a cohesive conceptual rationale or framework for ten years of research. Questions or hypotheses outlined in this conceptual framework must guide an initial 5-year proposal as well as a subsequent, abbreviated renewal. Together, these will constitute a decadal research plan appropriate to begin to address critical and novel long-term questions in organismal and environmental biology. Refer to 10-558. Due Jan 13, 2011. <http://www.grants.gov/search/search.do?mode=VIEW&oppId=53745>

**NSF: Hazard Mitigation and Structural Engineering**

The HMSE program supports fundamental research on the design and performance of structural systems and on new technologies for improving the behavior, safety, and reliability of structural systems and their resistance to natural hazards such as earthquakes and technological hazards (such as bombs).?? Also supported by the program are innovations in analysis and model-based simulation of structural behavior and response, design concepts that improve structural performance, reliability, resilience and sustainability, structural health monitoring, and applications of new control techniques for structural systems. Due Oct 1, 2010.

<http://www.grants.gov/search/search.do?mode=VIEW&oppId=56355>

**NSF: Infrastructure Management and Extreme Events**

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. The program supports research to integrate multiple issues from engineering, social, behavioral, political, and economic sciences. It supports fundamental research on the interdependence of civil infrastructure and society, development of sustainable infrastructures, and civil infrastructure vulnerability and risk reduction. Due Oct 1, 2010.

<http://www.grants.gov/search/search.do?mode=VIEW&oppId=56351>

**NSF: Science of Science and Innovation Policy (SciSIP)**

Among the many research topics supported are: examinations of the ways in which the contexts, structures and processes of science and engineering research are affected by policy decision, the evaluation of the tangible and intangible returns from investments in science and from investments in research and development, the study of structures and processes that facilitate the development of usable knowledge, theories of creative processes and their transformation into social and economic outcomes, the collection, analysis and visualization of new data describing the scientific and engineering enterprise. Refer to PD-09-7626; Due September 9, 2010.

[http://www.nsf.gov/funding/pgm\\_summ.jsp?pims\\_id=501084](http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=501084)

**NSF: Partnership in Innovation (partnerships between universities and small businesses).**

One of the general goals of the Partnerships for Innovation Program (PFI) is to stimulate the transformation of knowledge created by the research and education enterprise into innovations that create new wealth; build strong local, regional, and national economies; and improve the national well-being. Aligned with this goal, the PFI competition for FY 2011 funds will provide support for innovation capacity building to sustained, dynamic interactive knowledge-enhancing partnership groups composed of academic researchers and small business (as defined by the Small Business Administration (SBA)) practitioners focused on intense exploration, re-definition, and creation of novel platforms for translating research and moving it towards impact...The ideal project would consist of exploration, re-definition, and creation of a novel platform, that is, one that can be applied to many markets and problems/opportunities (multi-product or process platforms)... Some examples of platforms include the following: laser-based technologies that have multiple applications in product verticals; software algorithms that can be customized in different applications to provide multiple functionalities; nano-structured materials that may have multiple applications, environmental remediation technologies; re-manufacturing technologies--a more sustainable approach than conventional manufacturing involving a process of returning used

products to at least original performance--that can be applied to diverse industries; energy conservation or storage technologies; innovation through design or education in innovation with widespread impact; and personalized medicine/genetic testing. Partnerships that support areas pertaining to energy, sustainability, or education of next generation entrepreneurs are particularly desirable. Letter of Intent (required) (due by 5 p.m. proposer's local time): October 01, 2010.

<http://www.grants.gov/search/search.do?mode=VIEW&oppId=55577>

#### **NSF: Industry/University Cooperative Research Centers Program**

The Industry/University Cooperative Research Centers (I/UCRC) program develops long-term partnerships among industry, academe, and government. The centers are catalyzed by a small investment from the National Science Foundation (NSF) and are primarily supported by industry center members, with NSF taking a supporting role in the development and evolution of the center. Each center is established to conduct research that is of interest to both the industry members and the center faculty. An I/UCRC contributes to the Nation's research infrastructure base and enhances the intellectual capacity of the engineering and science workforce through the integration of research and education. As appropriate, an I/UCRC uses international collaborations to advance these goals within the global context. Letter of Intent due Jan 02 and June 26 annually. Full proposals due Mar 06, 2011.

<http://www.grants.gov/search/search.do?mode=VIEW&oppId=56604>

#### **NSF: Grant Opportunities for Academic Liaison with Industry (GOALI)**

Special interest is focused on affording the opportunity for: 1) Faculty, postdoctoral fellows, and students to conduct research and gain experience in an industrial setting; 2) Industrial scientists and engineers to bring industry's perspective and integrative skills to academe; and 3) Interdisciplinary university-industry teams to conduct research projects. Due Dates vary based on program. Refer to 10-580. [http://www.nsf.gov/pubs/2010/nsf10580/nsf10580.htm?WT.mc\\_id=USNSF\\_25&WT.mc\\_ev=click](http://www.nsf.gov/pubs/2010/nsf10580/nsf10580.htm?WT.mc_id=USNSF_25&WT.mc_ev=click)

#### **NSF: Centers for Chemical Innovation**

The Centers for Chemical Innovation (CCI) Program supports research centers focused on major, long-term fundamental chemical research challenges. CCIs that address these challenges will produce transformative research, lead to innovation, and attract broad scientific and public interest. CCIs are agile structures that can respond rapidly to emerging opportunities and make full use of cyberinfrastructure to enhance collaborations. CCIs may partner with researchers from industry, government laboratories and international organizations. CCIs integrate research, innovation, education, and public outreach and include a plan to broaden participation of underrepresented groups. The CCI program is a two-phase program. Both phases are described in this solicitation. Phase I CCIs receive significant resources to develop the science and integrative elements of a CCI before requesting Phase II funding. Phase I proposals funded in FY2011 will seek Phase II funding in FY2014. Only organizations receiving Phase I awards in FY2008 are eligible to request Phase II funding in FY2011. Preliminary Proposal Due Date(s) (required) (due by 5 p.m. proposer's local time): October 12, 2010 Phase I, required preliminary proposal Full Proposal Deadline(s): October 11, 2010 Phase II March 28, 2011 Phase I, by invitation only. <http://www.grants.gov/search/search.do?mode=VIEW&oppId=55776>

**U.S. Agency for International Development: Energy Efficiency and Renewable Energy Program (EEREP)** The United States Agency for International Development (USAID) is seeking applications for Assistance Agreements for its Energy Efficiency and Renewable Energy Program (EEREP). USAID anticipates awarding two EEREP Leader with Associate Cooperative Agreements, each of 5 years duration. The LWAs will be under two themes: Increasing Energy Efficiency, which will focus on increasing energy efficiency to reduce GHG emissions in developing country economies and Increasing Adoption of Renewable Energy, which seeks to assist developing countries with promoting and establishing an expanded supply of renewable energy systems. Subject to the availability of funds, approximately \$2,500,000 will be available for each EEREP LWA Leader Award. Associate Awards totaling approximately \$5,000,000 are expected for each Leader Award but actual activity funding will depend on field demand. Due Sept 10, 2010. <http://www.grants.gov/search/search.do?mode=VIEW&oppId=56249>

#### **US Veteran's Affairs: Green Building Self-Assessment Tool**

The U.S. Department of Veterans Affairs requests proposals for data processing, hosting, and other related services necessary to access a sustainability building assessment tool for up to 173 VA sites. The self-assessment tool shall be compatible with the third-party existing green building rating systems developed by an ANSI-accredited organization. Refer to Sol# VA70110RP0167.

Responses due 8/27/10. For more info, go to:

[https://www.fbo.gov/?s=opportunity&mode=form&id=752b7b6ec03ce2c89e95b8755959ac42&tab=core&\\_cview=0](https://www.fbo.gov/?s=opportunity&mode=form&id=752b7b6ec03ce2c89e95b8755959ac42&tab=core&_cview=0)

#### **Office of Naval Research: Multidisciplinary University Research Initiative (MURI)**

The MURI Program is funded by basic research (Budget Activity 1) money. White papers and full proposals, in order to be considered for funding, are therefore required to be of a basic, rather than applied or advanced technological, nature. Note that basic research includes "scientific study and experimentation directed toward increasing fundamental knowledge and understanding" while applied research deals with "the development of useful materials, devices, and systems or methods" and "the design, development, and improvement of prototypes and new processes to meet general mission requirements." Due Dec 7, 2010. The full definitions of these terms are contained in the links [http://comptroller.defense.gov/fmr/02b/02b\\_05.pdf](http://comptroller.defense.gov/fmr/02b/02b_05.pdf)

<http://www.grants.gov/search/search.do?mode=VIEW&oppId=56417>

### **Dept of the Army -- Materiel Command: Fiscal Year (FY) 2011 Department of Defense Multidisciplinary Research Program of the University Research Initiative (MURI)**

The MURI program supports basic science and/or engineering research at U.S. institutions of higher education (hereafter referred to as "universities") that is of potential interest to DoD. The program is focused on multidisciplinary research efforts that intersect more than one traditional science and engineering discipline to address scientific issues of interest to the DoD. It is farsighted high payoff research that provides the basis for technological progress." ([http://comptroller.defense.gov/fmr/02b/02b\\_05.pdf](http://comptroller.defense.gov/fmr/02b/02b_05.pdf)). The DoD's basic research program invests broadly in many specific fields to ensure that it has early cognizance of new scientific knowledge. The FY 2011 MURI competition is for the 25 topics listed in the BAA. Detailed descriptions of the topics can be found in Section VIII entitled, "Specific MURI Topics", of the BAA. The detailed descriptions are intended to provide the proposer a frame of reference and are not meant to be restrictive to the possible approaches to achieving the goals of the topic and the program. Innovative ideas addressing these research topics are highly encouraged. White papers and full proposals addressing the following topics ((18 through (25) should be submitted to the Army Research Office (ARO): (18) Controlling the Abiotic/Biotic Interface; (19) Quantum Stochastics and Control; (20) Qubit Enabled Imaging, Sensing & Metrology (QuISM); (21) Flex-Activated Materials; (22) Game Theory for Adversarial Behavior; (23) Light filamentation; (24) Novel Free-Standing 2D Crystalline Materials (Oxides/Nitrides); (25) Value of Information for Distributed Data Fusion..Refer to ONRBAA10-026. Due Dec 7, 2011. <http://www07.grants.gov/search/search.do?&mode=VIEW&oppId=56528>

### **Air Force Office of Scientific Research: FY2011 Multidisciplinary Research Program of the University Research Initiative**

The MURI program supports basic science and/or engineering research at U.S. institutions of higher education (hereafter referred to as "universities") that is of potential interest to DoD. The program is focused on multidisciplinary research efforts that intersect more than one traditional science and engineering discipline to address scientific issues of interest to the DoD. As defined by the DoD, "basic research is systematic study directed toward greater knowledge or understanding of the fundamental aspects of phenomena and of observable facts without specific applications towards processes or products in mind. It includes all scientific study and experimentation directed toward increasing fundamental knowledge and understanding in those fields of the physical, engineering, environmental, and life sciences related to long-term national security needs. It is farsighted high payoff research that provides the basis for technological progress." ([http://comptroller.defense.gov/fmr/02b/02b\\_05.pdf](http://comptroller.defense.gov/fmr/02b/02b_05.pdf)). Refer to ONR-BAA-10-026. Due Dec 7, 2010. <http://www07.grants.gov/search/search.do?&mode=VIEW&oppId=56524>

### **DARPA: Control of Material Properties through Advanced StructureS (COMPASS)**

DARPA is soliciting innovative research proposals that explore the potential for demonstrating Control of Material Properties through Advanced StructureS (COMPASS). The COMPASS program seeks to leverage the advanced fabrication capabilities now available, coupled with design of material structure, to drive functional materials to high performance well beyond state-of-the art. This solicitation focuses on two technical areas of interest: thermoelectric materials for power generation at > 1000 K, and thermoelectric materials for cooling < 200 K) as well as advanced studies in other functional materials systems of potential DoD interest. Refer to DARPA-BAA-10-73. Due Sept 14, 2010. <http://www.grants.gov/search/search.do?mode=VIEW&oppId=55455>

### **US DOD Issues 2010.3 SBIR Solicitations**

The U.S. Department of Defense (DOD) issued its 2010.3 Small Business Innovation Research (SBIR) solicitation, which includes among its topics "Internal Combustion (IC) Engine/Electric Hybrid Power/Propulsion System for Small Unmanned Aerial Vehicles (UAVs)" and "High Density Hydrogen Storage with Nano-Material Hybrids." Between July 20 and August 16, 2010, potential proposers may talk directly with Topic Authors to ask technical questions. DOD begins accepting proposals on August 17, 2010. The deadline for all proposals is September 15, 2010. <http://www.acq.osd.mil/osbp/sbir/solicitations/sbir103/index.htm>

### **US DoD: Fiscal Year 2011 Defense University Research Instrumentation**

The Department of Defense (DoD) announces the Fiscal Year 2011 Defense University Research Instrumentation Program (DURIP), a part of the University Research Initiative (URI). DURIP is designed to improve the capabilities of U.S. institutions of higher education (hereafter referred to as "universities") to conduct research and to educate scientists and engineers in areas important to national defense, by providing funds for the acquisition of research equipment. This announcement seeks proposals to purchase instrumentation in support of research in areas of interest to the DoD, including areas of research supported by the administering agencies. Due Sept 14, 2010. <http://www.grants.gov/search/search.do?mode=VIEW&oppId=55658>

### **US Air Force: Fiscal Year 2011 Defense University Research Instrumentation Program - For Submission to AIR FORCE**

The Department of Defense (DoD) announces the Fiscal Year 2011 Defense University Research Instrumentation Program (DURIP), a part of the University Research Initiative (URI). DURIP is designed to improve the capabilities of U.S. institutions of higher education (hereafter referred to as "universities") to conduct research and to educate scientists and engineers in areas important to national defense, by providing funds for the acquisition of research equipment. This announcement seeks proposals to purchase instrumentation in support of research in areas of interest to the DoD, including areas of research supported by the administering agencies. Due Sept 14, 2010. <http://www.grants.gov/search/search.do?mode=VIEW&oppId=55640>

### **US Air Force Research: Cooperative Research on Computational Aeronautical Sciences**

The AFRL/RB Computational Sciences Center seeks to establish a partnership in the Computational Aeronautical Sciences via a Cooperative Research Agreement. The research to be performed will involve basic and applied research in high-fidelity computational analysis of fluid dynamics across all speed regimes. The technologies developed are critical to the effective development of future Air Force systems, from air-breathing hypersonic, space-access capabilities to agile micro air vehicles. Due Aug 30, 2010.

<http://www.grants.gov/search/search.do?mode=VIEW&oppId=55846>

### **US Navy Research: Long Range Funding Opportunity Announcement for Science, Technology, Engineering & Mathematics (STEM) for K-12 & Institutions of Higher Education**

The purpose of this announcement is to receive proposals in support of the Office of Naval Research's mission of scientific outreach and education in working to develop the next generation of scientists capable of providing support to the continued development of critical technologies in support of the Department of Defense. The objective of these activities will be to: 1. Establish and ensure successful, sustainable, and affordable long-term Navy wide programs targeted at elementary and secondary schools and institutions of higher learning. 2. Establish and maintain a pipeline of students, particularly women and members of minority groups, who will apply for and participate in Navy education and outreach programs. 3. Increase the number of domestic students (particularly students from under-represented groups) completing STEM degrees through enhancing student interest and attitudes toward science, technology, engineering, and mathematics. 4. Strengthen peer, family, and school support for such interests. 5. Ensure long-term inclusiveness of women and minorities in science and technology programs. 6. Increase the number of students taking college-prep science and mathematics courses. 7. Demonstrate appropriate curricular connections with the applicable state and national standards of learning for science, technology, engineering, and mathematics (STEM). Due Sep 30, 2010.

<http://www.grants.gov/search/search.do?mode=VIEW&oppId=55774>

### **NOAA: Fiscal Year 2011 Climate Program Office**

In FY 2011, NOAA will accept individual applications for the Competitions listed below. Investigators are highly encouraged to visit the Climate Program Office (CPO) website (<http://www.climate.noaa.gov>) for general program information and specific Program priorities for FY2011 prior to submitting applications. The 16 competitions are as follows:

Climate Observations and Monitoring Program

ESS - Aerosols, Atmospheric Chemistry and Climate

ESS - Decadal Climate Variability and Predictability

ESS - Global Carbon Cycle

ESS - Improving the Understanding and Modeling of Land Surface Processes

ESS - Understanding and Improving Prediction of Tropical Convection

MAPP - Advances in Regional-scale Climate Predictions and Projections

MAPP - Develop an Integrated Drought Prediction Capability

MAPP - Evaluate Recently Developed Reanalysis Projects

CSI-Regions - RISA Teams

CSI-Water ? Urban Water Resource Planning

CSI-Water ? Coping with Drought

CSI-Water ? RISAs and Drought

CSI-Coasts ? Coastal Resource Management In A Changing Climate

CSI-Coasts - RISAs and Coastal Impacts of Climate Change

CSI-Transitions of Water Resource and Coastal Information Products

Refer to NOAA-OAR-CPO-2011-2002561. Due Sept 10, 2011. <http://www.grants.gov/search/search.do?mode=VIEW&oppId=55993>

### **US Dept of Commerce: Climate Data Record Program Office for 2011**

The Climate Data Record Program (CDRP) seeks to support the development and stewardship of Climate Data Records (CDRs) for the atmosphere, cryosphere, oceans, and land surface. The Program follows the National Research Council's 2004 distinction between Fundamental and Thematic Climate Data Records, and is initially focused on Fundamental CDRs and Thematic CDRs related to Earth's water and energy cycles and sea level. The Program seeks CDRs that will provide demonstrable benefit to end users and society. The CDRP is managed by NOAA, but is informed by other government agencies such that its results represent a government-wide contribution to climate change detection, assessment, understanding, adaptation and/or mitigation. Due Nov 10, 2010.

<http://www.grants.gov/search/search.do?mode=VIEW&oppId=56019>

### **US Dept of Commerce NOAA: Environmental Literacy Grants for Formal K-12 Education**

The goal of this funding opportunity is to support K-12 education projects that advance inquiry-based Earth System Science learning and stewardship directly tied to the school curriculum, with a particular interest in increasing climate literacy. To address this goal, this solicitation will support service-learning and professional development projects related to NOAA's mission in the areas of ocean, coastal, Great Lakes, weather and climate sciences and stewardship. A successful project will catalyze change in K-12 education at the state, regional and national level through development of new programs and/or revision of existing programs to improve the environmental literacy of K-12 teachers and their students. A successful project will also leverage NOAA assets, although use of non-NOAA assets is also encouraged. The target audiences for this funding opportunity are K-12 students, pre- and in-service teachers,

and providers of pre-service teacher education and in-service teacher professional development. There is a special interest in projects that address reaching groups traditionally underserved and/or underrepresented in Earth System science. One group that has been identified as underserved is elementary level teachers and students. This funding opportunity has two priorities, which are equal in their importance for funding. Priority 1 is for innovative proof-of-concept projects that are one to two years in duration, for a total minimum request of \$200,000 and a total maximum request of \$500,000. Priority 2 is for full-scale implementation of educational projects that are three to five years in duration, for a total minimum request of \$500,001 and a total maximum request of \$1,500,000. Due Jan 12, 2011. <http://www.grants.gov/search/search.do?mode=VIEW&oppId=56016>

#### **EDA: Global Climate Change Mitigation Incentive Fund**

(EDA06222009EDAP);

The U.S. Department of Commerce's Economic Development Administration (EDA) advances economic growth by assisting communities experiencing chronic high unemployment and low per capita income to create an environment that fosters innovation, promotes entrepreneurship, and attracts increased private capital investment. EDA requests proposals for the following programs: Public Works, Planning, Local Technical Assistance, and Economic Adjustment Assistance. Under the Economic Adjustment Assistance program, EDA has allocated \$14.7 million to the Global Climate Change Mitigation Incentive Fund, which supports projects that foster economic competitiveness while enhancing environmental quality. Refer to EDA06222009EDAP. Due September 30, 2010. <http://www.grants.gov/search/search.do?mode=VIEW&oppId=48106>

#### **NOAA: Open Rivers Initiative for locally-driven projects to remove dams and other river barriers**

The NOAA Open Rivers Initiative (ORI) provides funding and technical assistance to catalyze the implementation of locally-driven projects to remove dams and other river barriers, in order to benefit living marine and coastal resources, particularly diadromous fish. Projects funded through the Open Rivers Initiative must feature strong on-the-ground habitat restoration components that foster economic, educational, and social benefits for citizens and their communities in addition to long-term ecological habitat improvements for NOAA trust resources. Proposals selected for funding through this solicitation will be implemented through a cooperative agreement. Funding of up to \$6,000,000 is expected to be available for ORI Project Grants in FY 2011. The NOAA Restoration Center within the Office of Habitat Conservation will administer this grant initiative, and anticipates that typical awards will range from \$200,000 to \$750,000. Although a select few may fall outside of this range, project proposals requesting less than \$100,000 or greater than \$3,000,000 will not be accepted or reviewed. Due Nov 17, 2010.

<http://www.grants.gov/search/search.do?mode=VIEW&oppId=55956>

#### **National Park Service: The Business Plan Internship Program**

The principal purpose of this agreement is to identify a non-profit organization that can cooperatively support NPS efforts to create and manage undergrad and graduate level educational and job training opportunities. These opportunities are designed to promote the long-term health of our national parks by developing and improving financial planning and management tools at the park or program level. The primary program model for this cooperative agreement is the Business Plan Internship (BPI) program. The BPI program is focused on graduate level students engaged in projects that address specific operational analysis needs of park units and/or program offices. PROJECT OBJECTIVES • Jointly administer an internship program focused on improving the financial and operational health of our national parks and NPS programs. The internship program should provide students with in-depth NPS financial and operational training, exposure to park and/or program level operations, and the opportunity to conduct substantive analysis and evaluation which lead to recommendations on how best to achieve NPS operational goals. • Promote and stimulate student interest in NPS education and job training programs related to financial and operational analysis and/or management. • Encourage students from disciplines (MBAs, MPPs, etc) underrepresented in public service to explore jobs in the public sector. • Build a lifelong stewardship ethic for public lands in students from top universities. Due Sept 7, 2010.

<http://www.grants.gov/search/search.do?mode=VIEW&oppId=56441>

#### **National Institutes of Health: Climate Change and Health- Assessing and Modeling Population Vulnerability to Climate Change**

NIH: Climate Change & Health – Assessing & Modeling Population Vulnerability to Climate Change

This FOA encourages research applications to examine the differential risk factors of populations that lead to or are associated with increased vulnerability to exposures, diseases and other adverse health outcomes related to climate change. Applications may involve either applied research studies that address specific hypotheses about risk factors or population characteristics associated with increased vulnerability, or research projects to develop general models or methods for identifying and characterizing population vulnerability to climate change. Refer to PAR-10-235; Letters of Intent Receipt Date(s): August 28, 2010; April 24, 2011; April 24, 2012

Application Due Date(s): September 28, 2010; May 24, 2011; May 24, 2012

Peer Review Date(s): February 2011; October 2011, October 2012

Council Review Date(s): May 2011; January 2012; January 2013

Earliest Anticipated Start Date(s): July 1, 2011

<http://www.grants.gov/search/search.do?mode=VIEW&oppId=56026>



your property, please go to [www.makeminesolar.org](http://www.makeminesolar.org) and complete the interest form. For more information please visit <http://mnrenewables.org/MakeMineSolar>

### **MN PCA: Clean up your Minnesota school's bus emissions for free!**

<http://greenfleet.mncerts.org>

The Minnesota Clean Energy Resource Teams (CERTs) are partnering with the Minnesota Environmental Initiative's (MEI) Project Green Fleet to improve the environmental standards of older school buses. **Project Green Fleet provides and installs air quality retrofit equipment, normally valued at \$1,500-2,000, at no cost to fleets or districts.**

Diesel vehicles account for 10% of traffic on Minnesota roads, but account for more than 50% of all traffic related air pollution. With a simple, free retrofit by Project Green Fleet, emissions can be reduced by 30 - 50% per vehicle. The emission reductions directly benefit students and employees that ride and work around the buses.

Over 1,700 buses across the state have participated in Project Green Fleet so far. Together, CERTs and Project Green Fleet have the goal of retrofitting every eligible bus in the state.

See <http://www.projectgreenfleet.org/participate/faq.html> to check if your local school district has already participated in the program. To learn more or take next steps, visit the CERTs web site above (note the *Action Steps* section) or see the Project Green Fleet web site at <http://www.projectgreenfleet.org/>

### **Minnesota Campus Compact Collaborating for Change Mini-Grant Program**

Approximately 8-10 mini-grants of up to \$1,000 will be awarded to support innovative and promising student-led campus-community partnerships that address important public issues and engage students in project development and leadership. All mini-grant proposals must be submitted by a team that includes at least one student, one community-based organization (non-profit, school, governmental unit, etc.), and one Minnesota Campus Compact member institution. Either the student's institution or the community-based organization may serve as the fiscal agent. The student must have already been involved with the community partner for at least one semester/term. See the web site above to access a complete Request for Proposals, and to learn about three technical assistance conference calls being offered on August 2, 2010, September 2, 2010, and October 8, 2010. Applications are due November 15, 2010. Questions? Contact John Hamerlinck at [john@mncampuscompact.org](mailto:john@mncampuscompact.org) <http://www.mncampuscompact.org/minigrants>

### **Funds for K-12 Technology in Rural Schools**

[Foundation for Rural Education and Development: Technology Grants for Rural Schools Program](#)

The mission of the Foundation for Rural Education and Development (FRED), an initiative of the Organization for the Promotion and Advancement of Small Telecommunications Companies (OPASTCO), is to promote activities that improve rural educational, social, and economic conditions. The Technology Grants for Rural Schools Program, administered by FRED, strives to meet the growing need for innovative technology in the classroom. These grants of \$1,000 to \$10,000 help public schools in rural areas bring modern computers to every classroom, connect schools to the information superhighway, and assure that effective software and online resources are an integral part of the school curriculum. Any public K-12 school located within the [service area of an OPASTCO telephone company](#) in the U.S. or Canada may apply. A letter of support from the local company must accompany all applications, which are due by September 17, 2010. Visit the FRED website to download the application guidelines. **Eligible Minnesota Communities included are:** Albany, Annandale, Blue Earth, Bricelyn, Crosslake, Grand Meadow, Harmony, Hutchinson, Kasson, Madelia, Mankato, Melrose, Parkers Prairie, Perham, Remer, Willmar. <http://www.fred.org/tech.html>

### **National Endowment for the Humanities: Collaborative Research Grants**

Collaborative Research Grants support original research undertaken by a team of two or more scholars, for full-time or part-time activities for periods of at least one year up to a maximum of three years. Support is available for various combinations of scholars, consultants, and research assistants; project-related travel; field work; applications of information technology; and technical support and services. All grantees are expected to communicate the results of their work to the appropriate scholarly and public audiences. Eligible projects include

- research that significantly adds to knowledge and understanding in the humanities;
- conferences on topics of major importance in the humanities that will benefit scholarly research;
- archaeological projects that include the interpretation and communication of results (projects may encompass excavation, materials analysis, laboratory work, field reports, and preparation of interpretive monographs); and
- research that uses the knowledge and perspectives of the humanities and historical or philosophical methods to enhance understanding of science, technology, medicine, and the social sciences

Application deadline: October 28, 2010. <http://www.neh.gov/grants/guidelines/Collaborative.html>

### **Grassroots Environmental Programs Funded**

[Patagonia Environmental Grants Program](#)

The Patagonia Environmental Grants Program provides support to small, grassroots activist organizations with provocative direct-action agendas, working on multi-pronged campaigns to protect the environment. Patagonia funds local groups working to protect local habitats in the United States and Canada, as well as in targeted countries around the world. The company is most interested in supporting organizations that work on the root causes of problems and that approach issues with a commitment to long-term change. Most grants are in the range of \$3,000 to \$8,000. Proposals are accepted through the Patagonia website during the months of April and

August each year, and must be submitted by April 30 or August 31. (Applications are accepted year-round at local retail Patagonia stores.) Visit the website listed above to take the eligibility quiz and review the program's application guidelines.

### **Support for Social Justice Programs**

#### [Arca Foundation](#)

The Arca Foundation is dedicated to the pursuit of social equity and justice, particularly given the growing disparities in the world. In the United States, the Foundation is currently interested in supporting nonprofit organizations that work to promote a more equitable, accountable, and transparent economic recovery in the current sociopolitical climate. Internationally, the Foundation considers proposals that advance policies to further normalize U.S.-Cuban relations, as well as proposals that work to foster more just policies on a range of international issues. The next application deadline is September 1, 2010. Visit the Foundation's website for more information on the Foundation's priorities.

### **Blandin Foundation Community Grants**

Prior to completing a full grant proposal, it is wise to submit a letter of inquiry. Provide a short description of your project idea. Letters are accepted at any time; however, please keep in mind the application deadlines. Grants awards range from \$1,000 to \$250,000 and more.

**Economic initiatives** – Community and regional economic activities that capitalize on diverse assets

- **Educational attainment** – Increase educational attainment for disadvantaged populations
- **Fairness and opportunity** – Strive for fairness and opportunity primarily in our local giving area through social justice and philanthropy
- **Develop diverse leaders** – Equip leaders from all segments of a community with knowledge, skills and resources for collective action
- **Rural voice** – Increase the capacity for rural Minnesota residents to be their own voice on issues and opportunities
- **Intercultural competency** – Help communities work effectively across differences, to enhance collective problem-solving resources

Next due date Sept 15, 2010: <http://www.blandinfoundation.org/grants/>

### **Edina Community Foundation – Eligibility limited to Edina projects**

The Edina Community Foundation Executive Committee fulfills its mission of Strengthening Our Community by encouraging philanthropic support of some 55 separate funds that provide general support to the Foundation, City Departments and community organizations for a wide variety of programs and activities. The Foundation awards grants from its Designated Funds on an as-needed basis, following the submission of a short-form Grant Application either in hard copy or electronic form. Due Sept 15, 2010.

<http://www.edinacommunityfoundation.org/GrantsPrograms.html>

### **HRK Foundation**

HRK is a small family foundation with a strong commitment to general operating support and long-term relationships with community partners. The Board currently awards competitive funding in three program areas:

**Community Building:** HRK Foundation supports community building efforts which increase adequate and affordable housing, encourage responsible land use, promote conservation and preservation of community resources and advance the work of neighbors who reach across their differences for the common good.

**The Arts:** HRK Foundation's support of the Arts consists primarily of long-term partnerships with local organizations that enrich the cultural infrastructure of the Twin Cities.

**Health:** HRK funds programs that strengthen families and promote healthy lives for children as well as programs that provide services for people affected by HIV/AIDS.

Due Sept 15, 2010. <http://www.hrkfoundation.org/purpose.asp>

### **Northland Foundation**

The fabric of a thriving region is rich in texture and comprised of many individual threads. Economic opportunity and security. Stable families and the support they need to be healthy. A nurturing environment for children. Respect and care for elders, and inclusion of all people. When carefully woven together, each thread helps create a pattern that is seamless and strong.

The Northland Foundation provides resources to programs that value children and families and help the next generation develop into responsible, caring adults; provide individuals and families with the tools to become self-reliant through economic and social justice; and encourage older adults to share their vitality and wisdom.

Tax-exempt nonprofits located in or serving the seven-county Arrowhead Region may apply for grant funding. In order to be considered, projects must address one of the following three priority areas.

- [Connecting Kids and Communities/Strengthening Families](#)
- [Opportunities for Self-Reliance](#)
- [Aging with Independence](#)

From October 2009 through September 2011, the Northland Foundation is engaged in a special nonprofit capacity-building effort, the Strengthening Communities Initiative, which is being funded primarily through a federal American Recovery and Reinvestment Act grant. Please click the following link for more information.

- **[Strengthening Communities Initiative: Building Nonprofit Capacity to Advance Economic Recovery](http://www.northlandfdn.org/Grants/AreasOfInterest.shtml)**

Due Sept 15, 2010. <http://www.northlandfdn.org/Grants/AreasOfInterest.shtml>

### **Otto Bremer Foundation**

The Otto Bremer Foundation assists people in achieving full economic, civic, and social participation in and for the betterment of their communities. Our work to help build and maintain vibrant communities is based on the vision and legacy of our founder, Otto Bremer, whose commitment to the [Bremer bank communities](#) and to those working to make their lives better continues to guide the Foundation.

*For grants in the Metro Area metro area:* As part of our ongoing response to the current economic challenges, the Otto Bremer Foundation is focusing Metro Area funding on programs and initiatives to relieve poverty, including emergency assistance and longer-term poverty reduction. *For funding in other communities:* Grants and program-related investments respond to community needs by supporting programs, initiatives, and partnerships that address immediate concerns and/or long-term strategies. Grants support the following purposes:

- Program or project development
- General operations
- Organizational effectiveness
- Civic engagement
- Capital
- Challenge/matching grants
- Program-related investments.

The Foundation accepts grant proposals throughout the year, and applicants may submit proposals at any time.

<http://www.ottobremer.org/gag.php>

### **Messerli & Kramer Foundation**

The mission of the Messerli & Kramer Foundation is to financially assist and support Minnesota communities in their attempts to eliminate the disparities in healthcare and education and, therefore, improve the quality of life experienced by low-income and disadvantaged individuals and families. The deadline for December grant awards is October 29, 2010.

[http://www.messerlikramer.com/?s=aboutus\\_mkfoundation](http://www.messerlikramer.com/?s=aboutus_mkfoundation)

### **Ottertail Power Community Connections**

Our mission is to connect with our rural communities to support young minds, invest in our current and future workforce, create vibrant culture and vital communities, improve health and human services, and protect our natural resources. While Otter Tail Power Company provides financial support to a broad array of activities and organizations, **we focus our resources on the rural communities we serve.** Our foremost concerns are our customers, our neighbors, and our employees. Due Sept 15, 2010.

<http://www.otpc.com/AboutCompany/DonationsGrantsCommConnectMain.asp>

### **Todd-Wadena Electric Cooperative Community Trust**

The Todd-Wadena Electric Cooperative Community Trust will be funded by voluntary Operation Round Up contributions from members of the Cooperative and from other sources of funds available to the Trust. Operation Round Up contributions will be used in the local area served by the Cooperative for charitable and educational purposes. Grant availability will be promoted to the area through the cooperative's newsletter and press releases and will be posted on the cooperative's website. In 2010 the Trust Board will review and distribute funds in May and October. Application deadlines are April 15 and September 15

<http://www.toddwadena.coop/LinkClick.aspx?fileticket=dzFSRSedNc8%3D&tabid=84>

### **GE's Ecomagination Challenge**

GE's Ecomagination Challenge: Powering the Grid is an open call to action for businesses, entrepreneurs, innovators and students seeking breakthrough ideas to create a cleaner, more efficient and economically viable grid, and accelerate the adoption of smart grid technologies. After registering, you may enter as many ideas as you wish in the three categories: Renewables, Grid Efficiency and Eco Homes/Eco Buildings between July 13 and September 30, 2010. Your entry must include a clear, detailed proposal describing an innovative, original smart grid technology. Please use English for your entry. Let us know if you have already filed a patent application or received a patent on any part of your entry. We'd also like to know about you, your team, and how you came up with the idea. A video is optional but a simple photo of you, your organization or your team is required. The panel of judges will select entries to receive cash awards. The panel will evaluate each entry based on merit; reliance on science and engineering fundamentals; innovative character; potential to create significant societal impact; commercial feasibility in light of applicable market dynamics; and other factors deemed appropriate by the judges. **Round 1:** From July 13 – September 30, 2010

The general public will vote on ideas that they consider the most promising smart grid technologies; however, the ultimate decision will rest with GE. **Round 2:** From October 1 – November 30, 2010

In late October, GE will announce those entrants with whom GE intends to pursue commercial relationships. In November, GE will announce any business deals with GE that have been formalized. <http://challenge.ecomagination.com/ct/g.bix?c=ideas>

### **Minnesota Campus Compact Collaborating for Change Mini-Grant Program** <http://www.mncampuscompact.org/minigrants>

Approximately 8-10 mini-grants of up to \$1,000 will be awarded **to support innovative and promising student-led campus-community partnerships that address important public issues and engage students in project development and leadership.** All mini-grant proposals must be submitted by a team that includes at least one student, one community-based organization (non-profit, school, governmental unit, etc.), and one Minnesota Campus Compact member institution. Either the student's institution or the community-based organization may serve as the fiscal agent. The student must have already been involved with the community partner for at least one semester/term. See the web site above to access a complete Request for Proposals, and to learn about three technical assistance conference calls being offered on August 2, 2010, September 2, 2010, and October 8, 2010. Applications are due November 15, 2010. Questions? Contact John Hamerlinck at [john@mncampuscompact.org](mailto:john@mncampuscompact.org)

### **Duluth Superior Area Community Foundation**

The Duluth Superior Area Community Foundation supports a wide variety of activities in five basic interest areas including:

- Arts
- Community and Economic Development
- Education
- Environment
- Human Services

The Community Foundation welcomes requests from eligible organizations that successfully complete the inquiry process. Eligible organizations include those:

classified as charitable organizations under Section 501(c)(3) of the Internal Revenue Code; or classified as an organization under Section 170(c)(1) of the Internal Revenue Code; located in or that provide service to residents within the seven counties of northeast Minnesota [Aitkin, Carlton, Cook, Itasca, Koochiching, Lake, and St. Louis] and/or the two counties in northwest Wisconsin [Bayfield, Douglas]. Some funds have a specific geographic focus area. Due Oct 1, 2010.

[http://www.dsacommunityfoundation.com/grants/What\\_We\\_Fund.shtml](http://www.dsacommunityfoundation.com/grants/What_We_Fund.shtml)

### **Mankato Area Foundation**

The mission of the Mankato Area Foundation is to encourage and support projects which enrich the quality of life in the Mankato Area. Categories include education, Recreation, Capital Projects, Civic projects. Due Oct 1, 2010;

<http://www.mankatoareafoundation.org/MAFGrantApplication.doc>

### **The Pentair Foundation**

The Pentair Foundation helps enrich and advance the communities in which Pentair operates so that these communities benefit from Pentair's presence. Through local councils, the Foundation funds programs that promote education, water conservation, vocational readiness, self-sufficiency and general well-being. Focus areas are Education and Community. Due Oct 1, 2010.

<http://www.pentair.com/About-Us/The-Pentair-Foundation.aspx>

### **ADC Foundation Math, Science and Tech Grants**

The ADC Foundation makes direct grants to two strategic focus areas: mathematics and science education, and nonprofit access to technology. Although the Foundation will continue to match ADC employee gifts to a wide spectrum of types of nonprofits and causes, the foundation will consider grant requests only in the following two areas:

- **Science, Technology, Engineering, and Mathematics (STEM) Education** - Grants to organizations whose primary mission impacts K-12 or higher education, for projects where the aim is systemic improvements in the teaching or learning of mathematics and science or enhancements to the "pipeline" for the preparation of students for work in technology-oriented industry.
- **Access to Technology** - Grants to organizations where the proposed project serves to promote nonprofit access to technology by providing the nonprofit sector with competitive computing or telecommunications technologies, with the end goal of using technology tools to improve service delivery and enhance sector capacity.

### **Minnesota Funding Priorities for FY2010**

In Minnesota, we will give priority to requests in the following categories:

- **Nonprofit technology assistance providers (NTAPs).** Intermediary organizations that provide technology services to other nonprofits.
- **Community technology centers (CTCs).** Community service or educational computer labs with public access, especially to low-income neighborhoods, and a focus on job readiness or student tutoring.
- **Digital inclusion projects serving immigrant groups or low-income neighborhoods in the Twin Cities.** Projects based on public-access, digital inclusion activities for the benefit of disenfranchised individuals.

- **Tech tools for (extracurricular) K-12 STEM education programs.** One-time technology grants for nonprofits working to engage K-12 students (especially those currently underserved) in math and science.

Due Oct 1, 2010. <http://www.adc.com/us/en/aboutadc/corporateresponsibility/communityengagement/applyingforagrant/>

### **The Wells Foundation of MN Grants for Social Change**

The Wells Foundation is a non-profit organization that supports fundamental societal change through innovative and entrepreneurial action. We offer funding for change agents who combine a vision of social transformation with creative and practical solutions. These agents identify inefficiencies, solve problems, and persuade societies to see things in new ways. Where others see social problems, they see opportunities and a call for action. Proposals due Oct 1, 2010. <http://www.wellsfound.org/>

### **Andersen Corporate Foundation**

To better people live and strengthen communities, focusing primarily where Andersen employees live and work. Areas of Interest: AFFORDABLE HOUSING; HEALTH AND SAFETY; EDUCATION AND YOUTH DEVELOPMENT; HUMAN SERVICE; CIVIC SUPPORT. Due Sept 15, 2010. <https://www.srinc.biz/bp/index.html>

### **CHS Foundation Cooperative Education Grants**

*Deadline October 1, 2010*

The CHS Foundation invests in programs that develop the understanding of cooperative business through education, professional development, and practical experience. Annual project support typically involves more than 60 programs from 20-plus organizations. Proposals due Oct 1, 2010.

[http://www.chsfoundation.org/documents/2011ProgramGuidelines.pdf?utm\\_source=Giving+Memo+Enewsletter+List&utm\\_campaign=45cbf12c34-Giving\\_Memo\\_1008108&utm\\_medium=email](http://www.chsfoundation.org/documents/2011ProgramGuidelines.pdf?utm_source=Giving+Memo+Enewsletter+List&utm_campaign=45cbf12c34-Giving_Memo_1008108&utm_medium=email) or go to home page:

[http://www.chsfoundation.org/coopedu.html?utm\\_source=Giving+Memo+Enewsletter+List&utm\\_campaign=45cbf12c34-Giving\\_Memo\\_1008108&utm\\_medium=email](http://www.chsfoundation.org/coopedu.html?utm_source=Giving+Memo+Enewsletter+List&utm_campaign=45cbf12c34-Giving_Memo_1008108&utm_medium=email)

### **General Mills Foundation Grants**

We focus our grant-making in these communities and their surrounding areas (up to 50 miles from the General Mills facility in each community) in the areas of youth nutrition and fitness, social services, education, and arts and culture.

In Minnesota, the General Mills Foundation supports K-12 education in the seven-county metropolitan area of Minneapolis and St. Paul. These grants range from \$2,500 to \$10,000, and are reviewed on a quarterly basis.

Also in this seven-county area we offer the Celebrating Communities of Color grants program, which awards fifty \$10,000 grants to nonprofit organizations in the Twin Cities seven-county metro area serving communities of color.

The General Mills Foundation, in partnership with the American Dietetic Association Foundation and the President's Council on Physical Fitness and Sports, developed the Champions for Healthy Kids grant program which awards 50 grants of \$10,000 each to community-based groups that develop creative ways to help youth adopt a balanced diet and physically active lifestyle. Communities of Color applications due on Oct 15, 2010. [http://www.generalmills.com/en/Responsibility/Community\\_Engagement/Grants.aspx](http://www.generalmills.com/en/Responsibility/Community_Engagement/Grants.aspx)

**THE LAURA JANE MUSSER FUND** was established by the estate of Laura Jane Musser of Little Falls, Minnesota to continue the personal philanthropy which she practiced in her lifetime. Deadlines by category are Intercultural Harmony due on Oct 13, 2010; Rural Initiative due on Nov 10, 2010; Environmental Initiative due on Mar 23, 2011. <http://www.musserfund.org/>

### **Kresge: Grants Strengthen Arts and Cultural Organizations**

[Kresge Foundation: Facility Investments and Building Reserves Grants](#)

The Kresge Foundation's Arts and Culture Program provides support to nonprofit arts and cultural organizations in the U.S. through Facility Investments and Building Reserves Grants. This initiative is part of the program's Institutional Capitalization focus area, which is designed to strengthen the long-term financial health of arts and cultural organizations. Organizations may apply for two types of grants: Facility investments grants support both project costs and the creation of a building reserve, with priority given to renovation and repair projects. On occasion, new construction projects will be supported. Building reserves grants are designed to seed or enhance a fund to support the ongoing maintenance and replacement needs of an organization over time. Start-up organizations and those organizations that are government-owned are not eligible to apply. Preliminary applications are due September 15, 2010. Visit the Kresge Foundation's website to submit an online application.

### **Funds for K-12 Technology in Rural Schools**

[Foundation for Rural Education and Development: Technology Grants for Rural Schools Program](#)

The mission of the Foundation for Rural Education and Development (FRED), an initiative of the Organization for the Promotion and Advancement of Small Telecommunications Companies (OPASTCO), is to promote activities that improve rural educational, social, and economic conditions. The Technology Grants for Rural Schools Program, administered by FRED, strives to meet the growing need for innovative technology in the classroom. These grants of \$1,000 to \$10,000 help public schools in rural areas bring modern computers to every classroom, connect schools to the information superhighway, and assure that effective software and online resources are an integral part of the school curriculum. Any public K-12 school located within the [service area of an OPASTCO telephone company](#) in the U.S. or Canada may apply. (Eligible Minnesota communities: Albany, Annandale, Blue Earth, Bricelyn,

Crosslake, Grand Meadow, Harmony, Hutchinson, Kasson,, Madelia, Mankato, Melrose, Parkers Prairie, Perham, Remer, Willmar). A letter of support from the local company must accompany all applications, which are due by September 17, 2010. Visit the FRED website to download the application guidelines. <http://www.fred.org/tech.html>

### **Small Grants for MN Tourism Organizational Partnerships**

2011 Grant Guidelines Ready. Organizational Partnership Grant and Scenic Byway grant guidelines for 2011 grants are now available. The grant program is offered to assist communities in attracting travelers to Minnesota. Information on the program and guidelines for each type of grant will be posted on the industry website at: <http://industry.exploreminnesota.com/grants>. A significant change this year is reflected in the amount of in-state advertising allowed. Grantees are able to use up to 35% (up from 25%) of their grant dollars for in-state marketing. If you are a Minnesota nonprofit tourism or scenic byway organization and want further information about guidelines contact your Regional Manager:

Central – Carol Altepeter , 888-629-6466 or David Bergman 888-563-7777

Metro – Gayle Junnila, 800-657-3637; 651-757-1852

Northwest – Carol Altepeter, 888-629-6466 or David Bergman, 888-563-7777

Northeast – Tim Campbell, 888-876-6784

Southern – Dave Vogel, 888-975-6766

OR call Explore Minnesota Tourism at 800-657-3637; 651-757-1848

### **CleanTech Open: Tech Ideas Competition**

The Cleantech Open is the world's largest cleantech business competition. Its mission is to find, fund and foster entrepreneurs with big ideas that address today's most urgent energy, environmental and economic challenges. The program provides the infrastructure, expertise and strategic relationships to turn clever ideas into successful global cleantech companies. Just for telling us your idea, you could win a prize package of services worth \$100,000 to help you start a business to grow your idea!

1. Tell us which country you are from.
2. Answer the five questions we ask that help you build your "success paragraph."
3. If your idea beats out the competition in your National Competition, you get to represent your country as a Global Ideas finalist at the annual Cleantech Open Awards Gala on November 17, 2010 in San Francisco.

There, your idea will be presented in a five-minute pitch in front of a crowd of 2,500 investors, entrepreneurs, sponsoring companies, corporations, members of academia, press, and others interested in hearing your ideas and getting involved. The crowd will vote via text message for the "People's Choice" and you could win \$100,000 in marketing support, legal advising, conferencing services and more to help launch your business! The competition opens in March 2010. Free to enter. October 15, 2010 - Entry Deadline November 6, 2010 - Video Deadline for Country Winners <http://www.cleantechopen.com/app.cgi/content/competition/ideas/index>

### **Minnesota's New Angel Investor Tax Credit Taking Applications**

Minnesota economic development officials have launched the state's new [angel investor tax credit program](#). The 25 percent tax credit is designed to incentivize up to \$48 million per year in investments in emerging and high-tech startups in the state. The Legislature set aside \$11 million for 2010 and \$12 million annually for 2011 through 2014. The money will be awarded through a two-step, first-come-first-served process. First, investors and companies need to be certified to ensure they qualify for the tax credit. Next, the investor may apply for the tax credit allocation. Among the criteria for companies to qualify: They must be less than 10 years old and have fewer than 25 employees. Their headquarters and more than half their payroll and employees must be in Minnesota, and all employees must make at least \$18.55 per hour. Qualifying companies also need to be using or researching proprietary technology in a high-technology field.

[http://www.positivelyminnesota.com/Business/Financing\\_a\\_Business/DEED\\_Business\\_Finance\\_Programs/Angel\\_Tax\\_Credit.aspx](http://www.positivelyminnesota.com/Business/Financing_a_Business/DEED_Business_Finance_Programs/Angel_Tax_Credit.aspx)

### **Tech Start Up Weekend is coming to the Twin Cities**

Tech.mn has an announcement about an event called Startup Weekend, which is coming to the Twin Cities on Sept. 17-19. The event will be held at CoCo and is open to 100 participants. The goal is to "vet, pitch, build, and demo new products over a single weekend." Participation is limited to the first 100, and [registration \( \\$50\) is now open](#). Tickets include food & beverage (yes, beer) throughout the event, with reduced pricing for students and demo only. Startup Weekend Twin Cities comes our way thanks to coordinator [Shane Reiser](#) who has successfully orchestrated Startup Weekend Des Moines, Omaha and NYC. "Startup Weekend provides an unprecedented level of networking, team building and learning for its attendees and their communities. With the goal of forming at least one new venture in under 54 hours, participants are sure to leave with more experience, insight, knowledge, friends and resources than they came with. <http://tech.mn/news/2010/07/30/mark-your-calendars-startup-weekend-is-coming-to-the-twin-cities/>

### **U.S. Department of Energy Launches Clean Energy Financing Portal**

On June 30, 2010, the U.S. Department of Energy (DOE) launched the Technology Commercialization Portal, an online resource that will serve as a tool for potential investors to identify opportunities to license and develop clean energy technologies. The Technology Commercialization Portal will help reduce barriers to investment by providing capital markets with key information on the attributes, uses, benefits, and market-readiness of specific energy efficiency and renewable energy technologies. The marketing summaries available through the portal describe in detail the energy efficiency and renewable energy technologies available for licensing, and each summary outlines a technology's applications and advantages. Additionally, the Portal provides the public access to information

on about 14,000 patents and patent applications that have been created using DOE funding since 1992.

[http://apps1.eere.energy.gov/news/progress\\_alerts.cfm/pa\\_id=363](http://apps1.eere.energy.gov/news/progress_alerts.cfm/pa_id=363)

### **US Department of Energy Extends Renewable Energy Loan Guarantee Application**

Secretary Steven Chu announced today that the Department of Energy is extending the application deadline for the July 2009 energy efficiency, renewable energy and advanced transmission and distribution technologies solicitation. The new Part 1 application deadline is October 5, 2010. This gives companies an additional six weeks to apply for a loan guarantee under Section 1705, provided by the American Recovery and Reinvestment Act.

"The Department is committed to bringing as many commercial renewable projects online as possible to help us meet our clean energy goals and generate more jobs," said Secretary Chu. "By extending the time applicants can file, we will be able to support additional projects that diversify the country's clean energy mix and strengthen our economy."

The extension creates an eighth round of solicitations by the Department's Loan Guarantee Program and is intended to give companies additional time to develop and submit Part I applications. The Part II application deadline is still December 31, 2010. For more information on this program, please visit the [Loan Guarantee Program Office](#).

<http://www.energy.gov/news/9306.htm>

### **Minnesota Environmental Champions: Governor's Awards for Pollution Prevention!**

<http://www.pca.state.mn.us/oea/p2/govaward.cfm>

The Minnesota Pollution Control Agency is inviting applications for the 2010-11 Governor's Awards for Pollution Prevention. Applications are being accepted for projects that reduce waste and pollution at the source, conserve natural resources, protect groundwater, save energy, and practice sustainability.

There are three different categories:

1. Business/Non-Profit- honors superior environmental achievements by Minnesota's businesses, non-profits, and private institutions.
2. Government - acknowledges Minnesota's public institutions and government for their efforts and environmental successes.
3. Partnership - recognizes exceptional environmental accomplishments from collaborations between Minnesota non-profit organizations, businesses, public agencies and institutions.

This is an opportunity to recognize leaders at the highest level of environmental achievement. For more information including online applications, examples of past winners, and assistance, visit the web site above or call Peder Sandhei, MPCA, at 651/757-2688 or 800/657-3864, or e-mail [govawards.pca@state.mn.us](mailto:govawards.pca@state.mn.us) Deadline is September 15, 2010.

### **Small Business Resources Fair**

SBA Small Business Resources Fair will be held **September 15, 2010 from 8:00 am - 2:30 pm** at the Earle Brown Conference Center in Brooklyn Center, MN. Exhibit Hall open from 8:00 am - 1:30 pm. **FREE TO ATTEND!** For more information go to:

[www.sba.gov/mn](http://www.sba.gov/mn)

### **Join Minnesota Sustainable Communities Network**

Minnesota Sustainable Communities Network is a network of sustainability professionals and others interested in building sustainable communities that is coordinated by staff in the sustainable communities team of the Prevention and Assistance Division at the Minnesota Pollution Control Agency. To sign up for their newsletter, NextStep, contact the *NextStep Newsletter* editor, Paul Moss, at 651/757-2586 or 800/657-3864 or send e-mail to [paul.moss@state.mn.us](mailto:paul.moss@state.mn.us)

### **Reducing Energy Costs in Local Government: Updated Report on Best Practices**

In 2008, the Office of the Minnesota State Auditor published a useful "**Best Practices Review: Reducing Energy Costs in Local Government**" is available online at: <http://www.auditor.state.mn.us/default.aspx?page=20080702.001> . This 126-page report includes recommended steps to guide local governments in reducing energy costs, and cost/benefit analyses of different types of energy-reducing technologies and services. Designed to be easy to use, the online version has live links to financial resources and cost calculators. The review also features nine case studies. **A March 2010 follow-up report to this document is now available at:**

<http://www.auditor.state.mn.us/default.aspx?page=20100322.000>

The follow-up report contains updated information on the case studies that were featured in the original Review, and details the actual reduction in energy use and energy costs. The 2010 report also includes new financial resources that have become available since July of 2008.

### **East Metro Area Residents: There's a Energy Stimulus Program Just for You**

The Neighborhood Energy Connection is working to build awareness of energy conservation programs made possible through the U.S. Department of Energy and the Minnesota Department of Commerce through the American Recovery and Reinvestment Act of 2009 (ARRA). Check out these great resources: If you live in the East Metro area, visit [EnergySmartsPay.com](http://EnergySmartsPay.com) for an amazing screening tool to help you find all of the energy-saving programs and benefits available to you. Explore your options, including free stuff, rebates, and more.

Looking for renewable energy or energy conservation information? The Office of Energy Security website [www.energy.mn.gov](http://www.energy.mn.gov) has information on conservation, efficiency, renewables, and stimulus-funded programs.