

Grant Opportunities for Oklahoma Higher Education

9/6/11

This announcement is provided by the Oklahoma State Regents for Higher Education, Grant Writing and External Funding Assistance once or twice weekly. Grant opportunities are screened for higher education eligibility, listed by deadline date and grouped alphabetically by topic. Add your email address to the listserve at <http://lists.onenet.net/mailman/listinfo/okhigheredgrants> if you wish to be added to the direct mailing list. Check out the **Grant Opportunities for Oklahoma Colleges and Universities** web site at <http://www.okhighered.org/grant-opps/>. Thank you!

Linda Mason, Ed.D.

Coordinator for Grants and
External Funding Assistance
Oklahoma State Regents for Higher Education
655 Research Parkway, Suite 200
Oklahoma City, OK 73104
405-225-9486
800-858-1840
405-225-9230 Fax
lmason@osrhe.edu

TRAINING OPPORTUNITY

Beginning Grant Writing: The Process

Monday, September 19 – 9:00 a.m.-3:30 pm

Oklahoma State Regents for Higher Education – Linda Mason
Regents Conference Room (2nd floor) of 655 Research Parkway, OKC

This workshop is for those who have not written a grant proposal but are going to try it soon. Each participant is encouraged to provide an idea for funding before the workshop. This is a hands-on workshop. Small subgroups will be formed to craft a proposal for critique in the manner of a grant review panel. Please bring a laptop and a flash drive; you will use the laptop for writing, not for internet searching. There is no fee, but you must register. To register, send an e-mail to lmason@osrhe.edu.

TRAINING OPPORTUNITY

WHO WANTS TO BE AN ENTREPRENEUR WORKSHOP – LEARN IT SESSION

9:00 am – 6:00 pm Friday, September 30, at the Reed Center in Midwest City

To register for this session, click here: <http://www.okepscor.org/calendar/who-wants-be-entrepreneur-workshop-learn-it-session>. Registration for the **Teach it!** session is by invitation only, through i2E, Inc. For more information on this session, please contact Sarah Seagraves at sseagraves@i2E.org. Participation in the **"Live it!"** session is limited to 90 business, community and investment leaders. For registration information on this session, contact Steven Martinez at steven.martinez@ocast.ok.gov.

TRAINING OPPORTUNITY

NSF Regional Grant Workshop

Austin, TX – Westin Austin at the Domain – October 17-18, 2011

The UT Austin presents the opportunity to meet with NSF personnel and with other research administrators from universities and colleges across the United States. It is targeted to new faculty, researchers, educators, and administrators who want to gain key insight into a wide range of current issues at NSF including the state of current funding. NSF program officers will be on hand to provide up-to-date information about specific funding and answer questions.

Registration Fee: \$340 - For more information and registration, see <https://www.signup4.net/public/ap.aspx?EID=NATI375E&OID=50>.

TRAINING OPPORTUNITY

GRANT SEEKING BASICS - Tulsa City-County Library Foundation Center
Thursday, September 29, 2011, 2-4:30 p.m.

This workshop provides nonprofit managers, employees, and volunteers the basic knowledge needed to seek out grant funds. You will learn about the Foundation Center and the TCCL Cooperating Collection, learn the basics of the grant seeking process, and become familiar with the resources available to you for grant seeking. Basic computer and Internet search skills are needed for the workshop. Register at https://www.surveymonkey.com/s/gsb_9292011

TRAINING OPPORTUNITY

SEARCH AND SELECT
9:00 am to 12:00 pm – Tuesday, October 18
Oklahoma State Regents for Higher Education - 655 Research Parkway - OKC

An overview of:

- How to search for grant opportunities
- How to select the right grant program and agency
- Where to find the appropriate information about the grant program

A laptop computer will be necessary. There is no fee, but you must register. To register, send an e-mail to Linda Mason at lmason@osrhe.edu.

TRAINING OPPORTUNITY

Artful Askers Fundraising Workshops for Faith Based Groups
October 14/15, Freedom Ranch, 9897 East 11th Street, Tulsa
October 21/22, Crossings Community Center, 2208 West Hefner Road, OKC

The Oklahoma City events are co-hosted with The Butterfield Memorial Foundation.
For more information visit www.artfulaskers.com.

Artful Askers exists to empower faith-based and community organizations with the knowledge, tools, expertise, and skills to access money and other resources to meet needs in their community.

AGRICULTURE

Deadline Date – October 17, 2011

Grant Resource – National Center for Preservation Technology and Training

Category – Preservation Technology and Training

Description – NCPTT seeks innovative projects that advance science and technology for historic preservation. The PTT Grants program funds projects that develop new technologies or adapt existing technologies to preserve cultural resources. Projects may include, but are not limited to: -laboratory or field research that explores or assesses novel or adaptive methods; training activities, including workshops, and course or curriculum development that promote the use of new or adaptive technologies; documentation using new methods; manuscript or website development that disseminates innovative preservation technologies; and meetings that convene experts to discuss the use of technologies to address preservation problems. NCPTT does not fund “bricks and mortar” projects or straight-forward documentation projects using well-established methods.

Size of Grant – 10 awards of \$25,000

Cost Sharing or Match – \$1 to \$1

Web - <http://ncptt.nps.gov/grants/call-for-proposals/>

ARTS AND CULTURE

Deadline Date – November 1, 2011

Grant Resource – US Department of the Interior

Category – Japanese American Confinement Sites Grant

Description – Japanese American Confinement Sites grant funds may be used for identifying, researching, evaluating, interpreting, protecting, restoring, repairing, and acquiring historic confinement sites where Japanese Americans were detained during World War II. Project categories include: -Capital projects- including construction of new interpretive centers, restrooms, and interpretive trails. - Documentation- including identification, research, and evaluation of historic confinement sites; projects may include archeological surveys, National Register of Historic Places nominations, and National Historic Landmark nominations. -Oral history interviews- including recording, transcribing, digitally processing and sharing the interviews. -Interpretation and education related to historic confinement sites- projects may include wayside exhibits, creative arts and educational curricula. -Preservation of confinement sites and related historic resources- projects may include stabilization, rehabilitation, restoration, acquisition, relocation of historic buildings and structures to their original locations, reconstruction of key structures, and collections conservation. -Planning projects- such as interpretive plans for new exhibits and programs, land use plans, and resource management plans.

Size of Grant - \$5,000

Cost Sharing or Match – \$2 grant to \$1

Web - <http://www.nps.gov/history/hps/HPG/JACS/index.html>

CAMPUS CIVIC ENGAGEMENT AND SERVICE LEARNING

Deadline Date – January 18, 2012

Grant Resource – Corporation for National and Community Service

Category – AmeriCorps State and National Planning 2012

Description – In order to carry out the intent of Congress and to maximize the impact of the investment in national service, CNCS is seeking to fund programs that can demonstrate community impact and solve community problems through an evidence-based approach (e.g. performance data, research, theory of change). In the AmeriCorps competition this year, CNCS especially seeks to prioritize investment in three areas of its work. CNCS will continue to focus on national service programs that improve academic outcomes for children, youth, and young adults.

Cost Sharing or Match – Yes

Web - http://www.nationalservice.gov/for_organizations/funding/nofa_detail.asp?tbl_nofa_id=92

Deadline Date – January 18, 2012

Grant Resource – Corporation for National and Community Service

Category – AmeriCorps State and National Indian Tribes Planning Grant

Description – The purpose of planning grants is to support the development of AmeriCorps programs that will engage AmeriCorps members in evidence-based interventions to solve community problems. Planning grant recipients are expected to be better prepared to compete for an AmeriCorps program grant in the following grant cycle. Planning grants may not be used to support AmeriCorps members.

Cost Sharing or Match – Yes

Web - http://www.nationalservice.gov/for_organizations/funding/nofa_detail.asp?tbl_nofa_id=93

COMMUNITY COLLEGES

See **AGRICULTURE, Grant Resource -** National Center for Preservation Technology and Training.

COMMUNITY DEVELOPMENT

Deadline Date – October 31, 2011

Grant Resource – Home Depot

Category – Community Impact Grants

Description - Proposals for the following community improvement activities will be considered: repairs, refurbishments, and modifications to low-income and/or transitional housing or community facilities,

weatherizing or increasing energy efficiency of low-income and/or transitional housing or community facilities; planting trees or community gardens and/or landscaping community facilities; and development of community parks or green spaces.

Size of Grant - \$5,000

Cost Sharing or Match – No

Web - <http://www.homedepotfoundation.org/how-we-help/grants.html>

Deadline Date – November 1, 2011 Eligibility; December 31, 2011 Proposal

Grant Resource – Catholic Campaign for Human Development

Category – Community Development Grants

Description – The mission of the Catholic Campaign for Human Development is to address the root causes of poverty in the United States through the support of community-controlled, self-help organizations and through transformative education. CCHD's Community Development Grants support organizations that bring poor and vulnerable people together to change structures and policies that perpetuate the cycle of poverty. Priority is given to organizations that work with persons directly experiencing economic or social injustice, such as racial discrimination, long-term joblessness, or economic dislocation.

Size of Grant - \$75,000

Cost Sharing or Match – No

Web - <http://old.usccb.org/cchd/grants/criteria.shtml>

Deadline Date – September 30, 2011

Grant Resource – Dr. Pepper Snapple KaBoom!

Category – Community Playgrounds

Description – With support from Dr Pepper Snapple Group, KaBOOM! will be awarding grants of \$750 each to communities this year who wish to make their playgrounds cleaner, safer and more inviting. Communities must demonstrate that they have maintained their playspace and they have led an improvement project in the last 60 days.

Size of Grant - \$750

Cost Sharing or Match – No

Web - http://kaboom.org/build_playground/get_funding/grants#spruce

EDUCATION; EDUCATIONAL CONSORTIA

Deadline Date – September 30, 2011

Grant Resource – Kids in Need Foundation

Category – Innovative Learning Opportunities

Description – The mission of the Kids in Need Foundation is to engage students in the learning process by supporting the nation's teachers. Kids in Need Teacher Grants, sponsored by retailers and education credit unions, help K-12 educators develop innovative learning opportunities for their students. The purpose of the grants is to provide support for classroom teachers who have innovative, meritorious ideas but lack the budget to bring them to life. Projects qualify for funding if they make creative use of common teaching aids, approach the curriculum from an imaginative angle, or tie nontraditional concepts together for the purpose of illustrating commonalities.

Size of Grant – 300 awards of \$500

Cost Sharing or Match – No

Web - <http://www.kinf.org/grants/>

Deadline Date – September 30, 2011

Grant Resource – Captain Planet Foundation

Category – Children's Projects

Description – The foundation supports projects that: 1) Promote understanding of environmental issues; 2) Focus on hands-on involvement; 3) Involve children and young adults 6-18 (elementary through high school); 4) Promote interaction and cooperation within the group; 5) Help young people develop planning and problem solving skills; 6) Include adult supervision; 7) Commit to follow-up communication with the foundation.

Cost Sharing or Match – No

Web - <http://www.captainplanetfoundation.org>

Deadline Date – October 3, 2011

Grant Resource – Target Corporation

Category – Target Field Trips Grant Program

Description – [Target Corporation](#) is accepting applications from education professionals for the Target Field Trip Grants program to bring K-12 students in the United States to museums, historical sites, and cultural organizations for the opportunity to enhance their studies in the arts, math, science, and social studies. Grants are intended to fund visits to art, science, and cultural museums; community service or civic projects; career enrichment opportunities; and other events or activities away from the school facility.

Size of Grant – 5000 awards of \$700

Cost Sharing or Match – No

Web – <http://sites.target.com/site/en/company/page.jsp?contentId=WCMP04-031880>

Deadline Date – October 14, 2011

Grant Resource – Lowe's Tool Box for Education

Category – School Enhancement Projects

Description – The Toolbox for Education Grant Program provides grants to public K-12 schools and school parent-teacher groups associated with public schools throughout the U.S. that develop projects that encourage parent involvement and build stronger community spirit. Preference is given to funding requests that have a permanent impact such as facility enhancement (both indoor and outdoor) and landscaping/clean up projects.

Size of Grant – 1500 awards of \$5,000

Cost Sharing or Match – No

Web - <http://www.toolboxforeducation.com/>

Deadline Date – October 31, 2011

Grant Resource – Plum Creek Foundation

Category – Community Services, Education, Environment and the Arts

Description – Improvement in the general welfare and quality of life in communities and schools

Cost Sharing or Match – No

Web - <http://www.plumcreek.com/CommunityInvolvement/GrantApplication/tabid/161/Default.aspx>

Deadline Date – now until December 31, 2011

Grant Resource – Whole Kids Foundation

Category – School Gardens

Description – [Whole Kids Foundation School Garden Grant Program](#) will accept online applications for school garden grants! In partnership with [FoodCorps](#), Whole Kids Foundation will grant 1000 schools \$2000 each to build or expand their school garden. Kids who grow foods are proud of the fruits of their labor and are more apt to eat the fresh veggies they've grown. School gardens also offer an opportunity to integrate math, science and health curriculum into a dynamic, interactive setting. Plus, teaching kids to garden helps them learn about complex topics like sustainability and conservation, food systems and community awareness.

Size of Grant – 1000 awards of \$2,000

Cost Sharing or Match – No

Web - <http://blog.wholefoodsmarket.com/2011/08/apply-school-garden-grant/>

FELLOWSHIPS

Deadline Date – September 30, 2011

Grant Resource – Captain Planet Foundation

Category – Children's Projects

Description – The foundation supports projects that: 1) Promote understanding of environmental issues; 2) Focus on hands-on involvement; 3) Involve children and young adults 6-18 (elementary through high school); 4) Promote interaction and cooperation within the group; 5) Help young people develop planning and problem solving skills; 6) Include adult supervision; 7) Commit to follow-up communication with the foundation.

Cost Sharing or Match – No

Web - <http://www.captainplanetfoundation.org>

GEOGRAPHY; GEOLOGY; CARTOGRAPHY

See **MATH AND ENGINEERING, Grant Resource** – National Science Foundation.

See **SAFETY, Grant Resource** – National Science Foundation.

HEALTH FIELDS; PHYSICAL EDUCATION, OPTOMETRY

Deadline Date – October 5, 2011

Grant Resource – US Department of Health and Human Services

Category – Healthy Habits – Health in Children and Youth

Description – This Funding Opportunity Announcement is to encourage Research Project Grant applications that employ innovative research to identify mechanisms of influence and/or promote positive sustainable health behavior(s) in children and youth (birth to age 18). Positive health behaviors may include: developing healthy sleep patterns, developing effective self-regulation strategies, adaptive decision-making in risk situations, practicing proper dental hygiene, eating a balanced and nutritious diet, engaging in age-appropriate physical activity and/or participating in healthy relationships.

Size of Grant - \$500,000/yr for 5 years

Cost Sharing or Match – No

Web – <http://www07.grants.gov/search/search.do?&mode=VIEW&oppld=119573>

Deadline Date – October 13, 2011 Pre-application; October 27, 2011 Proposal

Grant Resource – US Department of Health and Human Services

Category – Peer Reviewed Cancer Research Program Discovery Award

Description – The intent of the Peer Reviewed Cancer Research Program (PRCRP) Discovery Award is to support innovative, untested, high-risk/potentially high-reward concepts, theories, paradigms, and/or methods. Studies supported by this award are expected to develop robust preliminary data that will lay the groundwork for future avenues of scientific investigation. The proposed research project should include a well-formulated, testable hypothesis based on strong scientific rationale and study design. The Discovery Award is not intended to support a logical progression of an already established research project.

Size of Grant – 20 awards of \$200,000

Cost Sharing or Match – No

Web - <http://www07.grants.gov/search/announce.do;jsessionid=9t62TmNGtX4SlqWpVGBZQ1p0v2Tb1GfYb6PFppvYpRsj6j0W23Jq!-619865725>

Deadline Date – October 28, 2011

Grant Resource – US Department of Health and Human Services

Category – Follow-Up on Newborn Hearing Screening Exam Failures

Description – This announcement solicits proposals for reducing the loss to follow-up of infants who have not passed a physiologic newborn hearing screening examination prior to discharge from the newborn nursery by utilizing specifically targeted and measurable interventions. The purpose of this funding opportunity is to further focus efforts to improve the loss to documentation/loss to follow-up by utilizing specific interventions to achieve measurable improvement in the numbers of infants who receive appropriate and timely follow-up.

Size of Grant – 7 awards of \$250,000

Cost Sharing or Match – No

Web - <https://grants.hrsa.gov/webExternal/SFO.asp?ID=17EC7B07-1058-43D7-B1F2-207179D549CD>

Deadline Date – 2014

Grant Resource – US Department of Health and Human Services

Category – Communication Between Provider and Patient Research – Mobile Health Tools

Description – The purpose of this initiative issued by the National Institute of Nursing Research and the Office of Dietary Supplements is to stimulate research utilizing Mobile Health tools aimed at the improvement of effective patient provider communication, adherence to treatment and self-management of chronic diseases in underserved populations. With the rapid expansion of cellular networks and substantial advancements in Smartphone technologies, it is now possible - and affordable - to transmit patient data digitally from remote areas to specialists in urban areas, receive real-time feedback, and capture that consultation in a database. mHealth tools, therefore, may facilitate more timely and effective patient-provider communication through education communication around goal setting, treatment

reminders, feedback on patient progress and may improve health outcomes. This announcement encourages the development, testing and comparative effective analysis of interventions utilizing mHealth technologies in underserved populations.

Size of Grant - \$50,000

Cost Sharing or Match – No

Web - <http://grants.nih.gov/grants/guide/pa-files/PA-11-331.html>

Deadline Date – 2014

Grant Resource – US Department of Health and Human Services

Category – Assisted and Natural Reproduction

Description – The purpose of this Funding Opportunity Announcement is to encourage applications from the scientific community to support outstanding research in the area of female and male gamete quality. For both natural and assisted reproduction, a focal point of the initiative is on the production, identification, and use of healthy gametes. In this regard, the identification and validation of biomarkers that assess gamete quality is critical.

Cost Sharing or Match – No

Web - <http://grants.nih.gov/grants/guide/pa-files/PA-11-326.html>

See **RURAL DEVELOPMENT**, **Grant Resource** – US Department of Health and Human Services.

LIBRARIES

See **AGRICULTURE**, **Grant Resource** - National Center for Preservation Technology and Training.

MATH; ENGINEERING

Deadline Date – September 30, 2011 Letter of Intent; November 9, 2011 Preliminary Proposal; March 30, 2012 Full Proposal

Grant Resource – National Science Foundation

Category – Emerging Frontiers in Research and Innovation

Description – The Directorate for Engineering at the National Science Foundation has established the Office of Emerging Frontiers in Research and Innovation (EFRI) to serve a critical role in focusing on important emerging areas in a timely manner. The EFRI Office is launching a new funding opportunity for interdisciplinary teams of researchers to embark on rapidly advancing frontiers of fundamental engineering research. For this solicitation, we will consider proposals that aim to investigate emerging frontiers in the following three specific research areas:

- (1) Flexible Bioelectronics Systems (BioFlex),
- (2) Origami Design for Integration of Self-assembling Systems for Engineering Innovation (ODISSEI), and
- (3) Photosynthetic Biorefineries (PSBR).

Cost Sharing or Match – No

Web - http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=13708&WT.mc_id=USNSF_39&WT.mc_ev=click

Deadline Date – October 1, 2011; February 15, 2012

Grant Resource – National Science Foundation

Category – Dynamical Systems

Description – 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.

Cost Sharing or Match – No

Web - http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=13574&WT.mc_id=USNSF_39&WT.mc_ev=click

Deadline Date – October 1, 2011; February 15, 2012

Grant Resource – National Science Foundation

Category – Civil Infrastructures

Description – 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.

Cost Sharing or Match – No

Web - http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=13352&WT.mc_id=USNSF_39&WT.mc_ev=click

Deadline Date – October 1, 2011; February 15, 2012

Grant Resource – National Science Foundation

Category – Materials Processing and Manufacturing

Description – The MPM program supports fundamental research on the interrelationship of materials processing, structure, performance and process control. Analytical, experimental, and numerical studies are supported covering processing methods such as molding, forging, casting, welding, hydroforming, composite layup, and other materials processing approaches. Emphasis is placed on environmentally benign manufacturing and virtual manufacturing. Research leading to the development of novel processes and novel hybrid processing techniques to achieve net shape products and complex multi-scale, multi-functional products with superior quality and performance is also supported.

Cost Sharing or Match – No

Web - http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=13344&WT.mc_id=USNSF_39&WT.mc_ev=click

Deadline Date – October 1, 2011; February 15, 2012

Grant Resource – National Science Foundation

Category – Mechanics of Materials

Description – The MoM program supports fundamental research on solid mechanics including theoretical, experimental, and computational approaches, model-based simulation, and the development of constitutive models. Emphasis is placed on the fundamental understanding of existing and emerging material and structural systems behavior across time and length scales, including experimental and analytical research on deformation, fatigue, and fracture. There is significant interest in techniques that address the fundamentals and theoretical basis of multiscale methods.

Cost Sharing or Match – No

Web - http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=13355&WT.mc_id=USNSF_39&WT.mc_ev=click

Deadline Date – October 1, 2011; February 15, 2012

Grant Resource – National Science Foundation

Category – Control Systems

Description – 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.

Cost Sharing or Match – No

Web - http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=13575&WT.mc_id=USNSF_39&WT.mc_ev=click

Deadline Date – October 1, 2011; February 15, 2012

Grant Resource – National Science Foundation

Category – Geotechnical Engineering

Description – 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.

Cost Sharing or Match – No

Web - http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=13351&WT.mc_id=USNSF_39&WT.mc_ev=click

Deadline Date – October 1, 2011; February 15, 2012

Grant Resource – National Science Foundation

Category – Geomechanics and Geomaterials

Description – The GEOMM program supports fundamental research on the mechanics and engineering properties of geologic materials including the mechanical properties of soil and rock, mechanically stabilized and biologically modified soil, and on natural processes, such as hydraulic, biological and thermal, that affect the behavior of these materials. Research on soil-structure interaction and liquefaction are also funded by the program. Support is provided for theoretical studies, constitutive and numerical modeling, laboratory, centrifuge, and field testing.

Cost Sharing or Match – No

Web - http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=13350&WT.mc_id=USNSF_39&WT.mc_ev=click

Deadline Date – October 1, 2011; February 15, 2011

Grant Resource – National Science Foundation

Category – Sensors and Sensing Systems

Description – The SSS 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.

Cost Sharing or Match – No

Web - http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=13349&WT.mc_id=USNSF_39&WT.mc_ev=click

Deadline Date – October 1, 2011; February 15, 2012

Grant Resource – National Science Foundation

Category – Operations Research

Description – 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.

Cost Sharing or Match – No

Web - http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=13341&WT.mc_id=USNSF_39&WT.mc_ev=click

Deadline Date – October 1, 2011; February 15, 2012

Grant Resource – National Science Foundation

Category – Manufacturing Enterprise Systems

Description – The MES program supports research on design, planning, and control of operations in manufacturing enterprises. Research is supported that impacts the analytical and computational techniques relevant to extended enterprise operations and that offer the prospect of implementable solutions. Topics of interest include analytical and computational tools for planning, monitoring, control, and scheduling of manufacturing and distribution operations, and development of methods for optimization of manufacturing enterprises in the presence of a high degree of uncertainty and risk.

Cost Sharing or Match – No

Web - http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=13342&WT.mc_id=USNSF_39&WT.mc_ev=click

Deadline Date – October 1, 2011; February 15, 2012

Grant Resource – National Science Foundation

Category – National Science Foundation

Description – The SES program supports research on strategic decision making, design, planning, and operation of commercial, nonprofit, and institutional service enterprises with the goal of improving their overall effectiveness and cost reduction. The program has a particular focus on healthcare and other similar public service institutions, and emphasizes research topics leading to more effective systems modeling and analysis as a means to improved planning, resource allocation, and policy development.

Cost Sharing or Match – No

Web – http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=13343&WT.mc_id=USNSF_39&WT.mc_ev=click

Deadline Date – November 17, 2011

Grant Resource – US Department of Defense

Category – Living Foundries: New Tools and Technologies

Description – DARPA is soliciting innovative research proposals to develop new tools, technologies and methodologies to transform biology into an engineering practice, speeding the biological design-build-test cycle and expanding the complexity of systems that can be engineered. The goal is to enable the rapid development of previously unattainable technologies and products, leveraging biology to solve challenges associated with production of new materials, novel capabilities, fuel and medicines.

Cost Sharing or Match – No

Web – http://www.darpa.mil/Opportunities/Solicitations/MTO_Solicitations.aspx

See **SAFETY**, **Grant Resource** – National Science Foundation.

MINORITY STUDENTS

Deadline Date – October 1, 2011; February 1, 2012; June 1, 2012

Grant Resource – Seventh Generation Fund

Category – Indian Students

Description - The Seventh Generation Fund for Indian Development is dedicated to promoting and maintaining the uniqueness of Native peoples and the sovereignty of tribal Nations throughout the Americas. The Fund's primary grantmaking program areas include the following: Arts and Cultural Expression, Environmental Health and Justice, Human Rights, Sustainable Communities, Intergenerational Leadership, and Women's Leadership.

Size of Grant - \$500 requests ongoing; \$5,000

Cost Sharing or Match – No

Web - <http://www.7genfund.org>

Deadline Date – October 2, 2011; October 2, 2012

Grant Resource – US Department of Health and Human Services

Category – Clinical Research in Minority Serving Institutions

Description – The purpose of the Clinical Research Education and Career Development Program is to expand the national capability to improve diversity for research in the health sciences by developing the research workforce in clinical and translational sciences through providing grant support to minority institutions that offer doctorate degrees in the health professions or in a health-related science. These institutions historically have trained professionals from diverse backgrounds who provide health care to minority populations and are uniquely positioned to engage these populations in research and in the translation of research advances into culturally appropriate, measurable and sustained improvements in health outcomes.

Size of Grant - \$500,000

Cost Sharing or Match – No

Web - <http://grants.nih.gov/grants/guide/pa-files/PAR-11-325.html>

NANOSCIENCE; NANOTECHNOLOGY

Deadline Date – October 1, 2011; February 15, 2012

Grant Resource – National Science Foundation

Category – NanoManufacturing

Description – The NM program supports research, education and innovation in design and manufacturing at the nanoscale (using mechanical, thermal, electrical and chemical processes) and/or by biological actors (viruses, cells, bacteria etc) as transformative production systems. Rather than analysis or synthesis/processing of nanomaterials (supported by other ENG, DMR etc programs), NM focuses on

nano/bio-enabled spatio-temporal structuring by design, optimization and control through predictive modeling, as well as on multi-scale integration of nanostructures into microdevices and meso/macro-systems. The emphasis of the program is on basic research enabling manufacturing scalability (suitability for production, reliability, robustness, throughput rate, yield, efficiency, affordability) providing fundamental understanding for technology transfer and implementation for industrial application.

Cost Sharing or Match – No

Web – http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=13347&WT.mc_id=USNSF_39&WT.mc_ev=click

RURAL DEVELOPMENT

Deadline Date – Ongoing for all except Cooperative Education: October 3, 2011

Grant Resource – CHS Foundation

Category – Agriculture and Rural America

Description – The CHS Foundation invests in the future of agriculture and rural America through a strong commitment to education and leadership development. Funding is **program-orientated** and your request should fall into one of the five program areas:

[University Partnerships](#)

[Rural Youth Leadership Development](#)

[Returning Value to Rural Communities](#)

[Cooperative Education](#)

[Farm and Agricultural Safety](#)

Size of Grant - varies

Cost Sharing or Match – No

Web - <http://www.chsfoundation.org/>

Deadline Date – October 31, 2011

Grant Resource – US Department of Health and Human Services

Category – Rural Health Network Planning Grant

Description – Network Planning Grants promote, through planning and implementation, the development of integrated healthcare networks that have combined the functions of the entities participating in the networks in order to: (i) achieve efficiencies; (ii) expand access to, coordinate, and improve the quality of essential health care services; and (iii) strengthen the rural health care system as a whole. . This program brings together key parts of a rural health care delivery system so they can work together to establish or improve local capacity and coordination of care, particularly those entities that may not have collaborated in the past. The major focus of the Network Planning Grant is to support rural entities in the development of health care networks. The grant program supports one year of planning to develop and assist health care networks in becoming operational.

Size of Grant – 15 awards totaling \$1.15million

Cost Sharing or Match – No

Web - <http://www07.grants.gov/search/search.do?&mode=VIEW&oppld=118833>

See **AGRICULTURE, Grant Resource** - National Center for Preservation Technology and Training.

SAFETY

Deadline Date – October 1, 2011; February 15, 2012

Grant Resource – National Science Foundation

Category – Hazard Mitigation and Structural Engineering

Description – 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.

Cost Sharing or Match – No

Web - http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=13358&WT.mc_id=USNSF_39&WT.mc_ev=click

Deadline Date – November 22, 2011

Grant Resource – National Aeronautics and Aerospace Administration

Category – Earth Sciences Applications: Natural Disasters

Description – This NASA Research Announcement solicits proposals for supporting basic and applied research and technology across a broad range of Earth and space science program elements relevant to Earth Science.

Size of Grant - \$100,000 to \$1 million

Cost Sharing or Match – No

Web – <http://nspires.nasaprs.com/external/solicitations/summary.do?method=init&solId={AEF75D0F-2272-7DE7-D52A-295B47C8F5CF}&path=open>

SCIENCE; ENVIRONMENTAL SCIENCE; BIOLOGY; CHEMISTRY

Deadline Date – December 2, 2011

Grant Resource – US Department of Commerce

Category – National Estuarine Research Reserve System

Description – The National Estuarine Research Reserve System consists of estuarine areas of the United States and its territories which are designated and managed for research and educational purposes. Each reserve within the system is chosen to represent a different bio-geographic region and to include a variety of ecosystem types in accordance with the classification scheme of the national program as presented in 15 CFR Part 921. By funding designated reserve agencies and universities to conduct land acquisition and construction projects that support the NERRS purpose, NOAA will strengthen protection of key land and water areas, enhance long-term protection of the area for research and education, and provide for facility and exhibit construction that meet the highest sustainable design standards possible.

Size of Grant – 3 awards totaling \$1.7 million

Cost Sharing or Match – No

Web - <http://www07.grants.gov/search/announce.do;jsessionid=JJGQTmnTqfvFnMkNzsnG4J3K1p3qytlsq2JJJ1H1LdyQ6lw3hV3!-619865725>

Deadline Date – December 7, 2011

Grant Resource – National Science Foundation, NIH, USDA

Category – Ecology and the Evolution of Infectious Disease

Description – The Ecology and Evolution of Infectious Diseases program supports research on the ecological, evolutionary, and socio-ecological principles and processes that regulate the transmission dynamics of infectious diseases. The program's focus is on both the discovery, and the building and testing models that elucidate these principles and processes. Research proposals should focus on understanding the determinants of transmission of diseases to humans, non-human animals, or plants; the spread of pathogens by environmental factors, vectors or abiotic agents; the population dynamics and genetics of reservoir species or alternate hosts; or the cultural, social, behavioral, and economic dimensions of disease transmission. Research may be on zoonotic, environmentally-borne, vector-borne, or enteric diseases of either terrestrial, freshwater, or marine systems and organisms, including diseases of non-human animals and plants, at any scale from specific pathogens to inclusive environmental systems.

Size of Grant – 9 awards totaling \$15 million

Cost Sharing or Match – No

Web - http://www.nsf.gov/pubs/2011/nsf11580/nsf11580.htm?WT.mc_id=USNSF_25&WT.mc_ev=click