Funding Opportunities

2012 Deadlines

Title	**Broad R&D Announcement**
Funding Source	U.S. Army
Description	The U.S. Army Engineer Research and Development Center (ERDC) has issued a Broad Agency Announcement for various R&D topic areas. The ERDC is responsible for conducting research in numerous fields. Areas of interest include, but are not limited to: Energy, facilities maintenance, materials and structures, engineering processes, environmental processes, land and heritage conservation, and ecological processes. Up to 10 awards
Focus	R&D around energy, facilities maintenance, environment process, etc.
Website	https://www.fbo.gov/index?s=opportunity&mode=list&tab=list
Due Date	Sunday, January 01, 2012
Title	**NNH11ZUA001K - Unique and Innovative Space Technology**
Funding Source	National Aeronautics and Space Administration (NASA)
Description	NASA is releasing a Unique and Innovative Space Technology Broad Agency Announcement (BAA) in support of the Office of Chief Technologist (OCT) Game Changing Technology Division. The BAA will be available on March 1, 2011, by opening the NASA Research Opportunities homepage at http://nspires.nasaprs.com/ and then linking through the menu listings "Solicitations" to "Open Solicitations." Seeking executive summaries, white papers, and proposals for research and development (R&D) for technology that is innovative and unique and promises to enable revolutionary improvements to the efficiency and
Focus	Innovation in efficiency of nation's space capability
Website	www.grants.gov/search/search.do?mode=VIEW&oppId=75953
Due Date	Tuesday, January 03, 2012
Title	**11-546: Informal Science Education**
Funding Source	National Science Foundation
Description	The ISE program supports innovation in anywhere, anytime, lifelong learning, through investments in research, development, infrastructure, and capacity-building for STEM learning outside formal school settings.
Focus	Nonformal STEM education
Website	www.grants.gov/search/search.do?mode=VIEW&oppId=93896
Due Date	Wednesday, January 11, 2012.
Title	**11-590 Sustainable Energy Pathways**
Funding Source	National Science Foundation
Description	Sustainable Energy Pathways is part of the NSF-wide initiative on Science, Engineering, and Education for Sustainability (SEES). The Sustainable Energy Pathways solicitation calls for innovative, interdisciplinary basic research in science, engineering, and education by teams of researchers for developing systems approaches to sustainable energy pathways based on a comprehensive understanding of the scientific, technical, environmental, economic, and societal issues.
Focus	broad scope of sustainable energy pathways
Website	http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=504690
Due Date	Wednesday, February 01, 2012

Funding Opportunities

2012 Deadlines

Title	**10-601: Fundamental Research Program for Industry/University Cooperative Research**
Funding Source	National Science Foundation
Description	The National Science Foundation encourages the submission of industry-defined fundamental research proposals from NSF Industry/University Cooperative Research Centers (I/UCRC). Industry-defined fundamental research broadens the scientific and engineering understanding beyond the more specific applied research interests of the industries traditionally served by the I/UCRC. Industry participation extends the scope and horizon of center research projects so as to drive innovation with industrially relevant fundamental
Focus	Industry-defined fundamental research
Website	www.grants.gov/search/search.do?mode=VIEW&oppId=56700
Due Date	Wednesday, February 01, 2012
Title	**11-521: Atmospheric and Geospace Sciences Postdoctoral Research Fellowships**
Funding Source	National Science Foundation
Description	The Division of Atmospheric and Geospace Sciences (AGS) awards Postdoctoral Research Fellowships (PRF) to highly qualified investigators within 3 years of obtaining their PhD to carry out an independent research program. The research plan of each Fellowship must address scientific questions within the scope of AGS disciplines. The program supports researchers for a period of up to 2 years with Fellowships that can be taken to the institution or national facility of their choice.
Focus	postdoctoral research
Website	www.grants.gov/search/search.do?mode=VIEW&oppId=64133
Due Date	Thursday, February 02, 2012
Title	**10-1518 Energy, Power, and Adaptive Systems (EPAS)**
Funding Source	National Science Foundation
Description	The Energy, Power, and Adaptive Systems (**EPAS**) program invests in the design and analysis of intelligent and adaptive engineering networks, including sensing, imaging, controls, and computational technologies for a variety of application domains. EPAS places emphasis on electric power networks and grids, including generation, transmission and integration of renewable, sustainable and distributed energy systems; high power electronics and drives; and understanding of associated regulatory and economic structures.
Focus	generation, transmission and integration of renewable, sustainable and distributed energy systems
Website	http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=13380
Due Date	January 7 - February 7 and September 7 - October 7 annually
Title	**Energy by Design**
Funding Source	National Energy Foundation
Description	Energy by Design is a poster contest developed by Nicor and the National Energy Foundation for children grades K-8 designed to combine a student's artistic talent with the ability to portray how to use energy efficiently. Student grand prize winners will get a $1,000 savings bond, a pizza party for their class, and a prize pack filled with fun, age-appropriate prizes. Teachers of the grand prize winners will receive a $1,000 classroom grant.
Focus	Energy by Design poster contest/K-8
Website	http://www.energybydesign.org/index.htm
Due Date	Friday, February 10, 2012

Funding Opportunities

2012 Deadlines

Title	**PD-12-7236: Biophotonics**
Funding Source	11-552: National Science Foundation
Description	Biophotonics applies photonics technology to the fields of medicine, biology and biotechnology. Basic research and innovation in photonics that is very fundamental in science and engineering is needed to lay the foundation for new technologies beyond those that are mature and ready for application in medical diagnostics and therapies. Advances are needed in nanophotonics, optogenetics, contrast and targeting agents, ultra-thin probes, wide field imaging, and rapid biomarker screening
Focus	research and innovation in photonics to lay the foundation for new technologies
Website	www.grants.gov/search/search.do?mode=VIEW&oppId=98375
Due Date	Tuesday, February 15, 2011
Title	**PD-12-1406: Thermal Transport Processes**
Funding Source	National Science Foundation
Description	The Thermal Transport Processes program supports engineering research aimed at gaining a basic understanding of the thermal transport phenomena at nano/micro and macro scales in (1) cooling and heating of equipment and devices, (2) energy conversion, power generation and thermal energy storage and conservation, (3) the synthesis and processing of materials including advanced manufacturing, (4) the propulsion of air and land-based vehicles, and (5) thermal phenomena in biological systems.
Focus	Research and education of thermal transport
Website	www.grants.gov/search/search.do?mode=VIEW&oppId=98379
Due Date	Friday, February 17, 2012
Title	**PD-12-7644: Energy for Sustainability**
Funding Source	National Science Foundation
Description	This program supports fundamental research and education that will enable innovative processes for the sustainable production of electricity and transportation fuels. Processes for sustainable energy production must be environmentally benign, reduce greenhouse gas production, and utilize renewable resources. Current interest areas in sustainable energy technologies are biomass conversion, biofuels and bioenergy. Fundamental research on innovative processes for the fabrication and theory-based characterization of future PV devices is an emphasis area of this program.
Focus	research and education for sustainable production of electricity and transportation fuels
Website	www.grants.gov/search/search.do?mode=VIEW&oppId=98374
Due Date	Friday, February 17, 2012
Title	**Fourth Annual Siemens We Can Change the World Challenge for K-12 Students**
Funding Source	Siemens Foundation
Description	The Siemens We Can Change the World Challenge invites students in the U.S. to team up with classmates under teacher/mentors to solve environmental problems in their school (grades K-5), community (grades 6-8), and world (grades 9-12).
Focus	K-12 challenge/solving environmental problems
Website	http://www.wecanchange.com/
Due Date	Thursday, March 15, 2012