Science and Technology Centers: Integrative Partnerships
Funding Agency: National Science Foundation
Funding #: 11-522
Link: http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=5541&org=NSF&sel_org=CISE&from=fund

The Science and Technology Centers (STC) Integrative Partnerships program supports innovative, potentially transformative, complex research and education projects that require large-scale, long-term awards. STCs conduct world-class research through partnerships among academic institutions, national laboratories, industrial organizations, and/or other public/private entities, and via international collaborations, as appropriate. They provide a means to undertake significant investigations at the interfaces of disciplines and/or fresh approaches within disciplines. STCs may involve any areas of science and engineering that NSF supports. STC investments support the NSF vision of advancing discovery, innovation and education beyond the frontiers of current knowledge, and empowering future generations in science and engineering. Centers provide a rich environment for encouraging future scientists, engineers, and educators to take risks in pursuing discoveries and new knowledge. STCs foster excellence in education by integrating education and research, and by creating bonds between learning and inquiry so that discovery and creativity fully support the learning process. NSF expects STCs to demonstrate leadership in the involvement of groups traditionally underrepresented in science and engineering at all levels (faculty, students, and postdoctoral researchers) within the Center. Centers use either proven or innovative mechanisms to address issues such as recruitment, retention and mentorship of participants from underrepresented groups. Centers must undertake activities that facilitate knowledge transfer, i.e., the exchange of scientific and technical information with the objective of disseminating and utilizing knowledge broadly in multiple sectors. Examples of knowledge transfer include technology transfer with the intention of supporting innovation, providing key information to public policy makers, or dissemination of knowledge from one field of science to another.

THIS SUBMISSION IS LIMITED TO 3 PROPOSALS PER ORGANIZATION SO IF YOU ARE PLANNING ON SUBMITTING AN APPLICATION YOU NEED TO FILL OUT AN ON-LINE NOTIFICATION OF INTENT TO SUBMIT AT THE FOLLOWING LINK: http://osp.uconn.edu/limited_sub_intent.cfm

Science and Engineering Fellowship Program
Funding Agency: Agency for International Development
Funding #: M-OAA-GRO-LMA-11-00307
Due: 3/21/2011
Link: http://www07.grants.gov/search/search.do;jsessionid=rJS5N6GVhgGcx0wy1y32tgqyp9321FknXx8qJyh54vdHxYb1KF6pI141741280?oppId=77073&mode=VIEW

This is a Sources Sought Notice. This notice is only a market survey for information which will be used for preliminary planning purposes. No proposals are being requested or accepted with this notice. This is not a solicitation for proposals and no award shall be made from this notice. No reimbursement will be
made for any costs associated with providing information in response to this notice or any follow up information requests. Program summary USAID seeks to continue its Science and Engineering Fellowship Program that selects and places scientists, medical doctors, and engineers in Agency Washington bureaus and oversea Missions. The Fellowship Program will help USAID obtain technical expertise to contribute to the more effective application of science and technology in the international development and foreign affairs activities of the U.S. government. For Fellows, the program is an opportunity to engage in international science policy and to contribute to addressing important societal problems. This program is currently administered under a cooperative agreement with the American Association for the Advancement of Science. Background The Science, Engineering and Diplomacy, Security & Development Fellowship program was initiated at USAID in 1982. In the 28 year history of the program, nearly 400 fellows have been placed at USAID, in Washington or field missions. The Fellows Program has been a very successful mechanism for USAID offices to access scientists and engineers with up-to-date and diverse technical expertise to meet the Agency’s strategic objectives in areas such as climate change, biotechnology, infectious diseases, and energy. In addition, the Fellows bring with them connections to a broad scientific community, expanding USAID’s collaborations and partnerships. Program Components The design of this activity is based on the Agency’s past experience with science and engineering fellowships. The recipient organization needs to have the capacity to select outstanding postdoctoral-level to senior level scientists, medical doctors, political scientists, and engineers to serve for one to two years in USAID/Washington or an overseas USAID Mission. The placement of Fellows at USAID traditionally has been in offices that carry out the Agency’s long-standing programmatic emphasis: agriculture, food security, energy, climate change forestry, disaster assistance, health/population, the environment, education, S&T policy, and democracy/governance. The Fellowship Program helps USAID obtain technical expertise to contribute to the more effective application of science and technology in the international development and foreign affairs activities of the U.S. government. For Fellows, the program is an opportunity to engage in international science policy and to contribute to addressing important societal problems. The recipient organization will be responsible for the recruitment, primary selection and placement, and administration of Fellows in USAID/Washington offices and overseas USAID Missions through an open and competitive process. The recipient organization should have the capacity to place and provide oversight of up to 60 Fellows, annually, to include new incoming fellows, renewing second year fellows and overseas fellows, during the life of the award, which is expected to be 5 years. Fellowships will last up to 4 years. The recipient will be responsible for advertising and soliciting candidates from a broad range of scientific, social science, and engineering backgrounds that match the areas in which USAID works and therefore should have expertise in working with the scientific, technical, and engineering communities. The recruitment should also emphasize diversity in geographic location, types of technical institutions (e.g., universities, industry, nongovernmental organizations, etc.), gender, and cultural perspectives. Candidates should be highly competitive in their technical areas and bring to the Fellowship Program an understanding of the latest developments in their technical field and the ability to leverage the broader scientific community in their field in support of USAID’s Mission. Other capabilities that the recipient organization should be able to demonstrate include the ability to organize an orientation program for new Fellows to USAID, provide mentoring opportunities to ensure a productive relationship, offer formal and structured networking and professional career development building opportunities that provide Fellows with exposure to a broad range of national and international issues, especially as they relate to science and technology, implement an effective evaluation program to strengthen the program in out years, and collaborate with USAID to support Fellows. Additionally, the recipient organization will be required to maintain or obtain a valid facility security clearance and to facilitate the federal security clearance process for each potential candidate. The purpose of this sources sought notice is to gain knowledge of interest, capabilities and qualification of various organizations, institutions and businesses. It is USAID’S intention to find qualified sources that possess the capability to
perform this type of requirement. It is envisioned that the final award will be a new cooperative agreement and no fee or profit will be paid to the awardee.

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Advanced Technological Education
Funding Agency: National Science Foundation
Funding #: 11-692
Due: 10/20/2011
Link: http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=5464

With an emphasis on two-year colleges, the Advanced Technological Education (ATE) program focuses on the education of technicians for the high-technology fields that drive our nation's economy. The program involves partnerships between academic institutions and employers to promote improvement in the education of science and engineering technicians at the undergraduate and secondary school levels. The ATE program supports curriculum development; professional development of college faculty and secondary school teachers; career pathways to two-year colleges from secondary schools and from two-year colleges to four-year institutions; and other activities. Another goal is articulation between two-year and four-year programs for K-12 prospective teachers that focus on technological education. The program also invites proposals focusing on research to advance the knowledge base related to technician education.

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University Engineering Design Challenge Program
Funding Agency: Air Force Office of Scientific Research
Funding #: BAA-AFOSR-2011-03
Due: 4/25/2011
Link: http://www07.grants.gov/search/synopsis.do;jsessionid=rJ5N6GVhGcx0wy1y32tgqyp9321FknXx8qJyh54vdHxYb1KF6p!141741280

AFOSR, in conjunction with the AFRL Rapid Reaction Team, announces a program to promote and sustain university research and education focused on innovative military systems and related technologies. This program will be structured as a yearly design challenge, with the objectives and constraints of the design specified by the AFRL management team at the beginning of the academic year and a competition amongst the undergraduate university teams to determine the best design to be held at the end of the academic year. The competitive nature of this effort is expected to provide enhanced incentives to participants in improving education related to practical design engineering, including systems engineering, requirements allocation and flowdown, design synthesis and problem solving, and innovative solution development, test and validation. The winner of this yearly competition will be encouraged to apply for additional projects as they are announced to continue their exemplary research, possibly incorporating elements of the other design solutions. However winning the competition does not guarantee additional funding and any subsequent funding opportunities will be available for all eligible proposers in accordance with the submission guidelines of the instrument.

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Women And Minorities In Science, Technology, Engineering And Mathematics Fields Program (WAMS)
Funding Agency: National Institute of Food and Agriculture
Funding #: USDA-NIFA-WAMS-003415
Due: 5/10/2011
Link: http://nifa.usda.gov/funding/RFAs/wams.html

This grant program supports research and extension projects that have robust collaborations to increase the participation of women and underrepresented minorities from rural areas in science, technology, engineering and mathematics fields that are relevant to USDA priorities identified by the Secretary: (i) Promotion of a safe, sufficient, and nutritious food supply for all Americans and for people around the world; (ii) Sustainable agricultural policies that foster economic viability for small and mid-sized farms and rural businesses, protect natural resources, and promote value-added agriculture; (iii) national leadership in climate change mitigation and adaptation; (iv) Building a modern workplace with a modern workforce; and (v) Support for 21st century rural communities. Legal authority for this program is contained in Section 7204 of the Food, Conservation, and Energy Act of 2008 (FCEA) (Pub. L. 110-246), which amends Section 1672 of the Food, Agriculture, Conservation, and Trade Act of 1990 (7 U.S.C. 5925).

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Integrative Graduate Education and Research Traineeship Program (IGERT)
Funding Agency: National Science Foundation
Funding #: 11-533
Due: Letter of Intent due 5/2/2011, Full Proposal due 7/1/2011
Link: http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=12759

The Integrative Graduate Education and Research Traineeship (IGERT) program has been developed to meet the challenges of educating U.S. Ph.D. scientists and engineers with interdisciplinary backgrounds, deep knowledge in chosen disciplines, and technical, professional, and personal skills. The program is intended to establish new models for graduate education and training in a fertile environment for collaborative research that transcends traditional disciplinary boundaries. It is also intended to facilitate diversity in student participation and preparation, and to contribute to a world-class, broadly inclusive, and globally engaged science and engineering workforce. Building upon the IGERT platform, the purpose of this IGERT solicitation is to support new models in graduate education in which students are engaged in an environment that supports innovation to learn through hands-on experience how their own research may contribute in new ways to benefit society and to learn the processes for the successful implementation of such contributions.

THIS SUBMISSION IS LIMITED TO 1 PROPOSAL PER ORGANIZATION

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Prepared By: UConn SoE - Research Initiatives Support Team (RIST)

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