

## Program Information

To receive program descriptions and application forms for funding opportunities, please contact Beverly Page, Information Specialist, Research and Sponsored Programs, phone: (785)532-5045, e-mail: [bbpage@ksu.edu](mailto:bbpage@ksu.edu)

### GENERAL

#### 19-1 Tibet Development, Professional and Cultural Exchange (State)

The State Department's Bureau of Educational and Cultural Affairs is inviting applications for professional development, education and cultural exchange projects that promote understanding between the people of the U.S. and the Tibetan ethnic group living in China. Project areas include: public health management; sustainable development and eco-tourism, vocational education; developing entrepreneurship/ and cultural preservation. ECA/PE/C/WHAEP-02-66 (FR 05/07/02)  
**URL:** <http://exchanges.state.gov/education/rfgps>  
**Deadline:** 6/14/2002

#### 19-2 Advanced Technology Program (ATP) (NIST)

The Commerce Department's National Institute of Standards and Technology is inviting proposals under the Advanced Technology Program, which provides cost-shared awards to industry to accelerate the development and dissemination of challenging, high-risk technologies that promise significant commercial payoffs. Awards are made to small, medium or large for-profit companies and for joint ventures. Universities may participate as subcontractors for companies or as partners in a joint venture. Technology areas include biotechnology, including animal and plant biotechnology; electronics, computer hardware and communications; information technology; manufacturing and advanced materials.  
**URL:** <http://www.atp.nist.gov>  
**Deadline:** 6/10/2002, 7/31/2002, 9/30/2002

### AGRICULTURE

#### 19-3 Uganda Agricultural Productivity Enhancement Program (USAID)

The U.S. Agency for International Development (USAID) in Kampala, Uganda will issue a request for proposals to implement aspects of Strategic Objective 7, Expanded Sustainable Economic Opportunities for Rural Sector Growth. The primary objective of the Agricultural Productivity Enhancement Program (APEP) will be to expand economic

opportunities in the Ugandan agricultural sector by increasing agricultural productivity and marketing of key food and cash crop systems. APEP will address key constraints in the chain of production-to-market transactions, including input supply and distribution, applied research, technology applications, value-added processing, access to finance, producer organizations, and market development. Sol. 617-02-009

**URL:** [http://www.usaid.gov/procurement\\_bus\\_opp/procurement/solicitation/](http://www.usaid.gov/procurement_bus_opp/procurement/solicitation/)

**Deadline:** 8/1/2002

### ARTS & HUMANITIES

#### 19-4 Islamic Life in the United States (DOS)

The State Department's Bureau of Educational and Cultural Affairs is inviting applications for one or two projects, each of which may involve one or a series of international exchanges involving Islamic scholars and clerics and addressing Islamic life in the United States. ECA/PE/C/NEA-02-71 (FR 05/02/02)  
**URL:** <http://exchanges.state.gov/education/rfgps>  
**Deadline:** 6/20/2002

### EDUCATION

#### 19-5 Leadership Training for South Africa Education (USAID)

The U.S. Agency for International Development has issued a presolicitation notice that it intends to seek proposals for a cooperative agreement to participate in an activity aimed at providing short-term training opportunities in education skills for South African educators and education department officials. Eligible applicants are consortia of community colleges, high schools, and/or colleges. The consortium will be responsible for providing management, training and support services. 674-02-A-007  
**URL:** [http://www.usaid.gov/procurement\\_bus\\_opp/procurement/solicitation/](http://www.usaid.gov/procurement_bus_opp/procurement/solicitation/)  
**Deadline:** 6/28/2002

#### 19-6 English Language Acquisition: National Professional Development Program (ED)

The Department of Education provides grants for professional development activities that will improve classroom instruction for limited English proficient (LEP) children and assist educational personnel working with such children to meet high professional standards, including standards for certification and licensure as teachers who work in language instruction educational programs or serve

LEP students. Eligible applicants are one or more institutions of higher education that have entered into consortia arrangements with local educational agencies or State educational agencies. CFDA 84.195N (FR 05/07/02)  
**URL:** <http://www.ed.gov/legislation/FedRegister/announcements/index.html>  
**Deadline:** 6/6/2002

#### 19-7 National Telecommunications Partnership Awards (SBC)

The SBC National Telecommunications Partnership Awards program recognizes outstanding work in facilitating the integration of telecommunications technology into education. This year the focus of this program is on education partnerships that help teachers fully integrate telecommunications technology to substantially change the way teaching and learning takes place.  
**URL:** <http://www.napehq.org/>  
**Deadline:** 6/17/2002

### ENGINEERING, MATHEMATICS & PHYSICAL SCIENCES

#### 19-8 Simplified Shear Design of Structural Concrete Members (NCHRP)

The AASHTO LRFD Bridge Design Specifications (LRFD) have introduced substantial enhancements to shear design over the provisions incorporated in the AASHTO Standard Specifications for Highway Bridges. The LRFD specifications include the sectional design and strut-and-tie models which provide improvements but with the disadvantage of a more complex design process. The objective of this project is to supplement the LRFD methods for shear design with procedures providing a direct solution for transverse and longitudinal reinforcement of concrete structures of common proportions. Project 12-61  
**URL:** <http://www4.nas.edu/trb/crp.nsf/rfps>  
**Deadline:** 6/14/2002

#### 19-9 Vertical Integration of Research and Education in the Mathematical Sciences (NSF)

The long-range goal of the National Science Foundation's Vertical Integration of Research and Education (VIGRE) program is to increase the number of well-prepared citizens who pursue careers in the mathematical sciences. A successful VIGRE project must: 1) integrate research with educational activities; 2) enhance interaction among undergraduates, graduate students, postdoctoral associates, and faculty members; 3) broaden the educational experiences of its students and postdoctoral associates to prepare them

for a wide range of career opportunities; and 4) motivate more students to pursue an education in the mathematical sciences. Only one proposal may be submitted by any given department during each competition. Please notify Ted Knous, Associate Vice Provost for Research, 532-6195, tknous@ksu.edu, by June 10 if you are interested in submitting a proposal to VIGRE. NSF-02-120

**URL:** <http://www.nsf.gov/cgi-bin/getpub?nsf02120>

**Deadline:** 7/29/2002

#### **19-10 Color Effectiveness of Yellow Pavement Marking (NCHRP)**

Many state transportation agencies have adopted the use of lead-free yellow pavement markings because of agency policy, legislation, or EOA-imposed mandate. However, some state highway agencies have noted that these markings may not appear yellow at night. There is a need for research to assess driver needs for color recognition, whether existing pavement markings meet those needs, and the material properties that will provide effective color. The objective of this research is to develop recommendations on day and night color limits to assist agencies in properly specifying materials and in characterizing color to achieve satisfactory performance. Project 5-18

**URL:** <http://www4.trb.org/trb/crp.nsf/All+Projects/NCHRP+5-18>

**Deadline:** 6/20/2002

#### **19-11 Long Term Effects of Magnesium Chloride and Other Concentrated Salt Solutions on Pavement and Structural Portland Cement Concrete (SD/DOT)**

South Dakota Department of Transportation is managing a grant program, on behalf of several state Departments of Transportation, on the Long Term Effects of Magnesium Chloride and Other Concentrated Salt Solutions on Pavement and Structural Portland Cement Concrete. Currently magnesium chloride solution is being used for deicing, prewetting and anti-icing with great success. However, research is needed on the long term effects of applying 38-30% solution of this chemical, or indeed, any chemical deicer to bridge decks and PCC pavements, as well as the potential impact to highly permeable new concrete. SD2002-01

**URL:** <http://www.sddot.com/pe/research/guidelines.cfm>

**Deadline:** 6/14/2002

#### **19-12 Geometry and Grid Modeling for Numerical Simulation (AFRL)**

The Air Force Research Laboratory is soliciting research proposals for the Geometry and Grid Modeling for Numerical Simulation Program. The goal of this effort is to build upon an existing informal national consortium formed to promote the acceptance and use of modular mesh generation software. This effort will identify and establish software standards

that enable integration and interoperation of individual grid generation modules.

PRDA-VAK-02-06 (FBO 05/17/02)

**URL:** <http://www.eps.gov/>

**Deadline:** 7/2/2002

### **HEALTH & LIFE SCIENCES**

#### **19-13 Development of Community Child Health Research (NIH)**

The National Institute of Child Health and Human Development invites cooperative agreement applications for the development of a community-linked collaboration to investigate disparities in maternal and child health. The purpose of the solicitation is to support community-research institution partnerships that will work together over a two and one-half year span to plan a multi-site, multi-level study that examines how community, family, and individual level influences interact with biological influences and result in health disparities in pregnancy outcome and infant and early childhood mortality and morbidity. RFA HD-02-008 (NIHG 05/10/02)

**URL:** <http://grants.nih.gov/grants/guide/rfa-files/RFA-HD-02-008.html>

**Deadline: Letters of Intent 6/17/2002; Applications 7/23/2002**

#### **19-14 Barth Syndrome Research (BSF)**

The Barth Syndrome Foundation (BSF) is pleased to announce the availability of funding for research on the natural history, biochemical basis, and treatment of Barth Syndrome. Barth syndrome is an X-linked recessive, cardioskeletal myopathy associated with neutropenia, growth delay, and diverse biochemical abnormalities, among which are defects in mitochondrial metabolism and phospholipid biosynthesis. The Barth Syndrome Foundation is seeking proposals for research that may shed light on any aspect of the syndrome.

**URL:** <http://www.barthsyndrome.org>

**Deadline:** 6/30/2002, 11/1/2002

### **SOCIAL SCIENCES**

#### **19-15 Child Care Policy Research (ACF)**

The Health and Human Services Department's Administration for Children and Families is inviting applications to support academic and state agency research on child care policy in priority areas, such as child care subsidies, early literacy, father involvement and rural child care. Funding is available for doctoral dissertation research projects and for three state child care data and research capacity grants. ACYF-PA-CCB-2002-02 (FR 05/01/02)

**URL:** <http://www.access.gpo.gov/nara/index.html>

**Deadline:** 6/17/2002

#### **19-16 Youth Violence and Youth Development (SAMHSA)**

The Substance Abuse and Mental Health

Services Administration is seeking applications for collaborative community actions to prevent youth violence and promote youth development. Vulnerable youth projects develop youth violence prevention community collaborations and prevention and intervention services for youths vulnerable to violence and harassment due to physical and social characteristics that differentiate them from the majority of youths. School-based mental health projects promote students' positive mental health. SM 02-007 (FR 05/03/02)

**URL:** <http://www.samhsa.gov>

**Deadline:** 6/19/2002

### **STUDENTS**

#### **19-17 Fellowship in Molecular Biology (KSU)**

The Sarachek Predoctoral Honors Fellowship provides a \$15,000 award to a resident graduate student enrolled in a Ph.D. program at Kansas State University. The student's research must be in a field of study relying significantly on contemporary molecular biological techniques but the student may be in any KSU College, Department or Program. An applicant must have completed preliminary exams. Funds may be used for dissertation, research, travel, planning postdoctoral moves or other purposes.

**URL:** <http://www.oznet.ksu.edu/SarachekAward/>

**Deadline:** 6/10/2002

R. W. Trewyn, Vice Provost for Research & Dean of the Graduate School

Ted Knous, Associate Vice Provost, Tech Transfer and Research

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Jim Guikema, Associate Vice Provost, Graduate Research

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