

NSF STRATEGIC TECHNOLOGIES FOR CYBERINFRASTRUCTURE (STCI)

The primary purpose of the Strategic Technologies for Cyberinfrastructure Program (STCI) is to support work leading to the development and/or demonstration of innovative cyberinfrastructure services for science and engineering research and education that fill gaps left by more targeted funding opportunities. In addition, it will consider highly innovative cyberinfrastructure education, outreach and training proposals that lie outside the scope of targeted solicitations.

The National Science Foundation provides a number of targeted funding opportunities for the development of cyberinfrastructure, for the provision of cyberinfrastructure services, and for related education, outreach and training. However, cyberinfrastructure technology and training are broad continua. It is anticipated that, at any given time, there will be ideas that do not map neatly onto the extant portfolio of cyberinfrastructure solicitations yet have a high potential impact on research and education. Accordingly, the Strategic Technologies for Cyberinfrastructure program will accept proposals for cyberinfrastructure development, demonstration, education, outreach and training activities that are not aligned with the specific goals of other existing cyberinfrastructure funding opportunities and which have the potential to transform multiple areas of research or education.

Projects appropriate for this program should:

- Be activities that include a demonstration of the potential impact on science or engineering research or education;
- Generate outcomes not currently under development elsewhere;
- Meet a clearly described cyberinfrastructure need not met elsewhere; and
- Generate outcomes that will be of interest to a range of science and engineering communities.

Investigators interested in submitting proposals with large budgets (roughly \$500,000 per year or larger) are encouraged to develop strong support from within the science and engineering community prior to submitting a proposal and to document this support within the proposal; for example, in the form of references to workshop reports, reports from the National Academies of Science or Engineering, or other reports based on broad community input, on the topic proposed.

Proposals should include a clear and compelling description of why the proposed work has the potential to significantly advance research or education capabilities in multiple areas of science and engineering. Proposals should also provide a convincing explanation of why the project is not suitable for other NSF programs or solicitations.

Before developing a proposal intended for this Program, investigators are encouraged to discuss their ideas with program officers associated with the Program to check that there is no targeted solicitation in development for which the project would be a better fit.

Proposals for workshops, symposia and Small Grants for Exploratory Research clearly related to the scope of the Program described above, may be submitted.

Deadline: August 13, 2009

http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=500066

SOCIAL AND BEHAVIORAL SCIENCES

RESEARCH CONFERENCES IN PSYCHOLOGY

The Science Directorate of the American Psychological Association (APA) is seeking proposals for research conferences in psychology. The purpose of this program is to promote the exchange of important new contributions and approaches in scientific psychology.

Grant money, ranging from \$500 to \$20,000 is available. The conference must also be supported by the host institution with direct funds, in-kind support, or a combination of the two. The Conference Format list below describes the formats that will be accepted for review and the amounts of funding available for each.

Please note that APA is open to innovative ways to hold conferences. Applicants who have experimental methods for sharing knowledge are urged to contact the Science Directorate to discuss the possibility of obtaining funding through this program (e.g., scientific conference held through electronic mail).

In addition, as important topics arise in the field of psychology, the Science Directorate will confer with its Conference Review Committee to determine if a conference and/or scientific volume are warranted. Conferences should take place within approximately 12 months after the funding decision is made.

Conference proceedings and presentation materials (including electronic presentations) must be submitted to APA 3 months after the date the conference is held. APA will hold the conference proceedings for 3 years. If a book has not been published by APA or another publisher within the 3-year holding period, APA will place the conference proceedings in PsycEXTRA.

PsycEXTRA is a companion database to the scholarly PsycINFO, which is designed to link academics, clinicians, librarians, consumers, policy-makers, and researchers to a variety of information sources covering psychology, behavioral science, and health; PsycEXTRA provides the readership with original documents, including proceedings, newsletters, magazines, newspapers, technical and annual reports, government reports, and consumer brochures.

Deadline: June 1, 2009; December 1, 2009

<http://www.apa.org/science/confer2.html>

NSF ARCHAEOLOGY AND ARCHAEOMETRY

The Archaeology Program provides support for anthropologically relevant archaeological research at both a "senior" and doctoral dissertation level. It also funds anthropologically significant archaeometric research. High risk exploratory research proposals are accepted for consideration and a description of these competitions is provided in the Archaeology Program Overview.



For more information about the Crosscutting Research and Training Opportunities, please visit the Cross-Directorate Activities webpage. Here, you will find a brief synopsis about each program, as well as links guiding you to the appropriate Program Solicitations.

Also, for more information on the Doctoral Dissertation Improvement Grants please visit the [Archaeology specific page](#).

Deadline: July 1, 2009

http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=11690&org=NSF&sel_org=NSF&from=fund

CULTURAL ANTHROPOLOGY

The Cultural Anthropology Program supports basic scientific research about the causes, consequences, and complexities of human social and cultural variability. Cultural anthropologists analyze human social and cultural behavior holistically. This integrated approach makes anthropology a valuable research tool for understanding the modern world. Because cultural patterns are emergent over time and space, there is no single natural scale for ethnographic and ethnological analysis. In some cases, cultural patterns may emerge from the collective behavior of large ensembles of smaller scale units; in others, they may be imposed by larger scale constraints. The origins of social and cultural variability may be remote from the scale at which they are observed. Therefore, research may target any appropriate scale or scales from local to regional to global. The Program encourages innovative research that contributes to building spatially and temporally specific theory that extends understanding beyond individual case studies.

The Cultural Anthropology Program accepts proposals for a variety of project types: Senior Research proposals (that is, research proposals from scholars with PhDs or equivalent degree); proposals for Doctoral Dissertation Research Improvement Grants; Cultural Anthropology Scholars awards (for research-related, post-PhD training); and CAREER proposals. The Program will also consider proposals for workshops and training programs, as well as supplements to current awards to support Research Experience for Undergraduates (REU) and Research Experience for Graduate Studies (REG). Research in all sub-fields of cultural anthropology is eligible. Successful proposals are characterized by clear research questions and propositions that will be put to the test through meticulous attention to research design, data collection, and analysis.

For more details about the various funding opportunities within the Cultural Anthropology Program, please consult the [Cultural Anthropology Program Overview page](#).

Deadline: August 15, 2009-05-07

http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=5388

NSF PHYSICAL ANTHROPOLOGY

The Physical Anthropology Program supports basic research in areas related to human evolution and contemporary human biological variation. Research areas supported by the program include, but are not limited to, human genetic variation, human adaptation, human osteology and bone biology, human and nonhuman primate paleontology, functional anatomy, and primate socioecology. Grants supported in these areas are united by an underlying evolutionary framework, and often a consideration of adaptation as a central theoretical theme. Many proposals also have a biocultural orientation. The program frequently serves as a bridge within NSF between the social and behavioral sciences and the natural and physical sciences, and proposals are commonly jointly reviewed and funded with other programs.

For more information about the Crosscutting Research and Training Opportunities, please visit the [Cross-Directorate Activities](#) webpage. Here, you will find a brief synopsis about each program, as well as links guiding you to the appropriate Program Solicitations. For more information on the Doctoral Dissertation Improvement Grants please visit the [Physical Anthropology specific page](#).

Under NSF's data sharing policy, the Foundation expects investigators to share with other researchers, at no more than incremental cost and within a reasonable time, the data, samples, physical collections, and other supporting materials created or gathered in the course of the work. To implement that policy in ways appropriate to Physical Anthropology and Archaeology, beginning July 1, 2005 these Programs will require that all proposals include a one-page detailed

description of the applicant's data access plan in the "Supplementary Documents" section. This page will be in addition to the standard 15-page project description. Applications lacking this statement will not be reviewed. The Programs realize that individual cases may differ widely and recognize that any absolute timeline or rigid set of rules is not possible. They also recognize that revision and adjustment may often be required as the work proceeds. The data access plan, however, will be considered an integral part of the project and therefore subject to reviewer and panel evaluation. Major departure from it will constitute a significant project change and require NSF approval. Successful applicants will be required to address this issue in every progress and final report. PIs on all awards made under these guidelines will be expected to discuss implementation of their plans in the "Results of Prior Research" section when they submit subsequent applications.

Deadline: August 20, 2009

http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=5407

STIMULUS FUNDING PROGRAMS

AIR FORCE FISCAL 2009 AMERICAN RECOVERY AND REINVESTMENT ACT RESEARCH PROGRAM

This American Recovery and Reinvestment Act Research Program will investigate the underpinning science necessary to develop nanoscale additives for novel fuels. The ability to dissolve or suspend additives or catalysts in fuels has created the opportunity to develop new sets of desirable properties for fuels for aircraft, rockets, and satellites. An understanding of how these new catalytic processes occur and how multifunctional catalysts can be developed will be investigated. Areas of interest include understanding fundamentals of catalytic processes involved including interactions between catalyst and substrate, charge donation and charge transfer; understanding fundamental properties of nanostructures and their roles as catalysts; the role and effect of water and impurities on fuel additives; addition of additives to ionic liquids; the aging and long time behavior of catalysts; the performance of fuels developed with these new additives. This program seeks to bring together recently developed experimental and theoretical methods and approaches so that the optimum nanostructured catalysts can be developed for use in propulsion systems. A multidisciplinary effort is required to address this developing opportunity including fundamental research in chemistry, physics, surface and materials science, and computational simulation and modeling.

AFOSR plans to make approximately one (1) award for FY 2009. The anticipated efforts are subject to availability of Recovery Act funding. The anticipated type of award will be in the form of a grant. The estimated value of the award is approximately \$1.5M per year for two years.

Full proposals must be received at AFOSR by **18 May 2009** at 4:00 pm EST.

<http://apps.rgp.ufl.edu/research/fyi/article.cfm?id=17621>