

Fundamental Research Program for Industry/University Cooperative Research Centers (FRP)

PROGRAM SOLICITATION NSF 10-507

**REPLACES DOCUMENT(S):
PD 07-7609, NSF 08-068**



National Science Foundation

Directorate for Engineering
Industrial Innovation and Partnerships

Directorate for Computer & Information Science & Engineering

Full Proposal Deadline(s) (due by 5 p.m. proposer's local time):

February 17, 2010

February 02, 2011

First Wednesday in February, Annually Thereafter

REVISION NOTES

This opportunity replaces [NSF 08-068](#) which was a Dear Colleague Letter (DCL). Of major importance is the requirement to submit a full fundamental research proposal rather than a supplement to an existing I/UCRC award and close attention should be given to all parts of the solicitation.

Please be advised that the *NSF Proposal & Award Policies & Procedures Guide* (PAPPG) includes revised guidelines to implement the mentoring provisions of the America COMPETES Act (ACA) (Pub. L. No. 110-69, Aug. 9, 2007.) As specified in the ACA, each proposal that requests funding to support postdoctoral researchers must include a description of the mentoring activities that will be provided for such individuals. Proposals that do not comply with this requirement will be returned without review (see the PAPP Guide Part I: *Grant Proposal Guide* Chapter II for further information about the implementation of this new requirement).

SUMMARY OF PROGRAM REQUIREMENTS

General Information

Program Title:

Fundamental Research Program for Industry/University Cooperative Research Centers (FRP)

Synopsis of Program:

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 research projects.

Cognizant Program Officer(s):

- Glenn H. Larsen, Fundamental Research Program Director, ENG/IIP, telephone: (703) 292-8050, email: glarsen@nsf.gov
- Rathindra DasGupta, I/UCRC Program Director, ENG/IIP, telephone: (703) 292-8353, email: rdasgupt@nsf.gov
- Rita V. Rodriguez, I/UCRC Program Director, CISE, telephone: (703) 292-8950, email: rrodrigu@nsf.gov

Applicable Catalog of Federal Domestic Assistance (CFDA) Number(s):

- 47.041 --- Engineering
- 47.070 --- Computer and Information Science and Engineering

Award Information

Anticipated Type of Award: Standard Grant

Estimated Number of Awards: 10 pending the availability of funds.

Anticipated Funding Amount: \$50,000 to \$200,000

Industry-defined fundamental research: Industry-defined fundamental research projects must demonstrate measureable industry collaboration and involvement that accelerates fundamental research. Evidence of industry-defined fundamental research must show that the proposed industry participation extends the centers capabilities into areas or projects that might not otherwise be researched.

Eligibility Information

Organization Limit:

None Specified

PI Limit:

The PI must be the center director of an NSF Industry/University Cooperative Research Center. Other center participants may be co-PIs. The lead institution's center director may request a waiver to this requirement.

Limit on Number of Proposals per Organization:

One proposal per center. All sites must submit a collaborative proposal that is part of the same integrated research experimental plan of the center. The total budget for all site submissions from a center cannot exceed the maximum award.

Limit on Number of Proposals per PI:

None Specified

Proposal Preparation and Submission Instructions

A. Proposal Preparation Instructions

- **Letters of Intent:** Not Applicable
- **Preliminary Proposal Submission:** Not Applicable
- **Full Proposal Preparation Instructions:** This solicitation contains information that supplements the standard NSF Proposal and Award Policies and Procedures Guide, Part I: Grant Proposal Guide (GPG) proposal preparation guidelines. Please see the full text of this solicitation for further information

B. Budgetary Information

- **Cost Sharing Requirements:** Cost Sharing is not required under this solicitation.
- **Indirect Cost (F&A) Limitations:** Not Applicable
- **Other Budgetary Limitations:** Not Applicable

C. Due Dates

- **Full Proposal Deadline(s)** (due by 5 p.m. proposer's local time):
 - February 17, 2010
 - February 02, 2011
 - First Wednesday in February, Annually Thereafter

Proposal Review Information Criteria

Merit Review Criteria: National Science Board approved criteria. Additional merit review considerations apply. Please see the full text of this solicitation for further information.

Award Administration Information

Award Conditions: Standard NSF award conditions apply.

Reporting Requirements: Additional reporting requirements apply. Please see the full text of this solicitation for further information.

TABLE OF CONTENTS

Summary of Program Requirements

- I. **Introduction**
- II. **Program Description**
- III. **Award Information**
- IV. **Eligibility Information**
- V. **Proposal Preparation and Submission Instructions**
 - A. Proposal Preparation Instructions
 - B. Budgetary Information
 - C. Due Dates
 - D. FastLane Requirements
- VI. **NSF Proposal Processing and Review Procedures**
 - A. NSF Merit Review Criteria
 - B. Review and Selection Process
- VII. **Award Administration Information**
 - A. Notification of the Award
 - B. Award Conditions
 - C. Reporting Requirements
- VIII. **Agency Contacts**
- IX. **Other Information**

I. INTRODUCTION

The Industry/University Cooperative Research Centers (I/UCRCs) program develops long-term partnerships among industry, academe, and government. The centers are catalyzed by a small investment from the National Science Foundation (NSF) and are primarily supported by center members, with NSF taking a supporting role in their development and evolution. I/UCRCs stimulate highly leveraged industry/university cooperation by focusing on research recommended by their Industrial Advisory Boards (IAB) whose members are companies and other organizations that help support a center's research activities.

The Fundamental Research Program for I/UCRCs provides the opportunity for centers to conduct fundamental research to better position themselves as leaders in emerging areas that could benefit the industries that they serve. Proposals must discuss how the proposed fundamental research will benefit potential and current industry members while charting a path for potentially new and emerging research directions.

II. PROGRAM DESCRIPTION

NSF supported Industry/University Cooperative Research Centers serve many industry research needs in areas such as:

- Advanced electronics
- Advanced manufacturing
- Advanced Materials
- Biotechnology
- Civil Infrastructure Systems
- Information, communication, and computing
- Energy and environment
- Fabrication and process technology
- Health and Safety

These investments contribute to advances that are important for the environment, energy, transportation, information technologies, health-related industries, the economy, and other areas that impact our daily lives and quality of life.

The I/UCRCs contribute to the knowledge base of a large number of industrial manufacturing processes that involve a wide range of technological pursuits and are found in areas such as aerospace, electronics, chemicals, recovery of natural resources, the environment, petroleum, biochemicals, materials, food, power generation, and allied activities. To better enable these processes, the I/UCRC fundamental research program supports research that involves the development of fundamental engineering and science principles, process control and optimization strategies, mathematical models, and experimental techniques, with an emphasis on projects that have the potential for innovation and broad application in areas in industry.

This fundamental research is leading to applications that include sensors, materials, pharmaceuticals, imaging, visualization, embedded systems, next generation computers, medical devices and instrumentation, alternative energy, ecological engineering, water and waste treatment, and robotics.

Fundamental research proposals must be well planned with professional project management principles applied to help assure success. The proposal must include a project plan, schedule, milestones, budget, and other factors similar to the Project Proposal Form that the center should be using in its IAB meetings (Gray and Walters, *Managing the Industry/University Cooperative Research Center: A guide for Directors and Other Stakeholders*, p. 181, 1998). As such, the second page of the proposal must use the I/UCRC Project Proposal Form shown below to be considered as responsive to this solicitation.

I/UCRC Project Proposal Form (Snapshot)	
Center:	
Proposal No.:	Project head (PI):
Total NSF Request: \$	Industry Investment:\$
Project Description:	
Experimental plan:	
Related work elsewhere:	
How this project is different:	
Milestones:	
Deliverables:	
How the project may be transformative and/or benefit society:	
Research areas of expertise needed for project success:	
Potential Member Company Benefits:	
Estimated Start Date: July 15, 20xx	Estimated Completion Date:

Other pages of the proposal should be used to provide details on the information provided in the I/UCRC Project Proposal Form.

Industry-defined Fundamental Research

Industry-defined fundamental research projects must demonstrate measureable industry collaboration and involvement that accelerates fundamental research. Evidence of industry-defined fundamental research must show that the proposed industry participation extends the centers capabilities into areas or projects that might not otherwise be researched.

Students and Under-represented Groups in Industry

Should the fundamental research proposals be awarded, there may be opportunities for additional funding for opportunities such as those listed below:

- GOALI (NSF-09-516) - Graduate and Undergraduate Student Industrial Fellowship
- Research Experienced for Undergraduates (NSF 09-598) - REU

III. AWARD INFORMATION

Anticipated Type of Award: Standard Grant

Estimated Number of Awards: 10 pending the availability of funds.

Anticipated Funding Amount: \$50,000 to \$200,000

Industry-defined fundamental research: Industry-defined fundamental research projects must demonstrate measureable industry collaboration and involvement that accelerates fundamental research. Evidence of industry-defined fundamental research must show that the proposed industry participation extends the centers capabilities into areas or projects that might not otherwise be researched.

IV. ELIGIBILITY INFORMATION

Organization Limit:

None Specified

PI Limit:

The PI must be the center director of an NSF Industry/University Cooperative Research Center. Other center participants may be co-PIs. The lead institution's center director may request a waiver to this requirement.

Limit on Number of Proposals per Organization:

One proposal per center. All sites must submit a collaborative proposal that is part of the same integrated research experimental plan of the center. The total budget for all site submissions from a center cannot exceed the maximum award.

Limit on Number of Proposals per PI:

None Specified

Additional Eligibility Info:

Eligibility is based on center performance: Fundamental research opportunities under this solicitation are available for I/UCRCs that meet the criteria as outlined in the current

Industry/University Cooperative Research Centers Program (I/UCRC) solicitation. This opportunity requires that centers submitting fundamental research proposals meet the following conditions for eligibility:

- Maintain sufficient industrial memberships to meet minimum program requirements,
- Engage graduate students in center research projects,
- Actively engage industry with a minimum of two Industry Advisory Board meetings annually, and
- Disseminate current and accurate information to the public about their center via the NSF web site. NSF directory listings must be current and accurate by the supplement deadline date. Updates can be sent to the I/UCRC program director if needed.

Eligibility for industry-defined fundamental research option: Centers seeking to apply for additional funding as permitted under the industry-defined fundamental research option must meet the following conditions for eligibility:

- A letter from the Industry Advisory Board (IAB) must accompany the proposal.
- The IAB letter must confirm that the IAB was actively engaged in defining the fundamental research project.
- Only industry I/UCRC members may participate in an industry-defined research project.
- Industry-participation must enable the center to extend its fundamental research project portfolio into areas that might not otherwise be researched.

V. PROPOSAL PREPARATION AND SUBMISSION INSTRUCTIONS

A. Proposal Preparation Instructions

Full Proposal Instructions: Proposals submitted in response to this program solicitation should be prepared and submitted in accordance with the guidelines specified in the NSF Grant Proposal Guide (GPG). The complete text of the GPG is available electronically on the NSF website at: http://www.nsf.gov/publications/pub_summ.jsp?ods_key=gpg. Paper copies of the GPG may be obtained from the NSF Publications Clearinghouse, telephone (703) 292-PUBS (7827) or by e-mail from nsfpubs@nsf.gov. **Refer to Section II, Program Description, for specific proposal preparation information and instructions.**

Proposers are reminded to identify the program solicitation number (NSF 10-507) in the program solicitation block on the NSF Cover Sheet For Proposal to the National Science Foundation. Compliance with this requirement is critical to determining the relevant proposal processing guidelines. Failure to submit this information may delay processing.

B. Budgetary Information

Cost Sharing: Cost sharing is not required under this solicitation.

C. Due Dates

- **Full Proposal Deadline(s)** (due by 5 p.m. proposer's local time):

February 17, 2010

February 02, 2011

First Wednesday in February, Annually Thereafter

D. FastLane Requirements

Proposers are required to prepare and submit all proposals for this program solicitation through use of the NSF FastLane system. Detailed instructions regarding the technical aspects of proposal preparation and submission via FastLane are available at: <http://www.fastlane.nsf.gov/a1/newstan.htm>. For FastLane user support, call the FastLane Help Desk at 1-800-673-6188 or e-mail fastlane@nsf.gov. The FastLane Help Desk answers general technical questions related to the use of the FastLane system. Specific questions related to this program solicitation should be referred to the NSF program staff contact(s) listed in Section VIII of this funding opportunity.

Submission of Electronically Signed Cover Sheets. The Authorized Organizational Representative (AOR) must electronically sign the proposal Cover Sheet to submit the required proposal certifications (see Chapter II, Section C of the [Grant Proposal Guide](#) for a listing of the certifications). The AOR must provide the required electronic certifications within five working days following the electronic submission of the proposal. Further instructions regarding this process are available on the FastLane Website at: <https://www.fastlane.nsf.gov/fastlane.jsp>.

VI. NSF PROPOSAL PROCESSING AND REVIEW PROCEDURES

Proposals received by NSF are assigned to the appropriate NSF program where they will be reviewed if they meet NSF proposal preparation requirements. All proposals are carefully reviewed by a scientist, engineer, or educator serving as an NSF Program Officer, and usually by three to ten other persons outside NSF who are experts in the particular fields represented by the proposal.

These reviewers are selected by Program Officers charged with the oversight of the review process. Proposers are invited to suggest names of persons they believe are especially well qualified to review the proposal and/or persons they would prefer not review the proposal. These suggestions may serve as one source in the reviewer selection process at the Program Officer's discretion. Submission of such names, however, is optional. Care is taken to ensure that reviewers have no conflicts of interest with the proposal.

A. NSF Merit Review Criteria

All NSF proposals are evaluated through use of the two National Science Board (NSB)-approved merit review criteria: intellectual merit and the broader impacts of the proposed effort. In some instances, however, NSF will employ additional criteria as required to highlight the specific objectives of certain programs and activities.

The two NSB-approved merit review criteria are listed below. The criteria include considerations that help define them. These considerations are suggestions and not all will apply to any given proposal. While proposers must address both merit review criteria, reviewers will be asked to address only those considerations that are relevant to the proposal being considered and for which the reviewer is qualified to make judgements.

What is the intellectual merit of the proposed activity?

How important is the proposed activity to advancing knowledge and understanding within its own field or across different fields? How well qualified is the proposer (individual or team) to conduct the project? (If appropriate, the reviewer will comment on the quality of the prior work.) To what extent does the proposed activity suggest and explore creative, original, or potentially transformative concepts? How well conceived and organized is the proposed activity? Is there sufficient access to resources?

What are the broader impacts of the proposed activity?

How well does the activity advance discovery and understanding while promoting teaching, training, and learning? How well does the proposed activity broaden the participation of underrepresented groups (e.g., gender, ethnicity, disability, geographic, etc.)? To what extent will it enhance the infrastructure for research and education, such as facilities, instrumentation, networks, and partnerships? Will the results be disseminated broadly to enhance scientific and technological understanding? What may be the benefits of the proposed activity to society?

Examples illustrating activities likely to demonstrate broader impacts are available electronically on the NSF website at: <http://www.nsf.gov/pubs/gpg/broaderimpacts.pdf>.

Mentoring activities provided to postdoctoral researchers supported on the project, as described in a one-page supplementary document, will be evaluated under the Broader Impacts criterion.

NSF staff also will give careful consideration to the following in making funding decisions:

Integration of Research and Education

One of the principal strategies in support of NSF's goals is to foster integration of research and education through the programs, projects, and activities it supports at academic and research institutions. These institutions provide abundant opportunities where individuals may concurrently assume responsibilities as researchers, educators, and students and where all can engage in joint efforts that infuse education with the excitement of discovery and enrich research through the diversity of learning perspectives.

Integrating Diversity into NSF Programs, Projects, and Activities

Broadening opportunities and enabling the participation of all citizens -- women and men, underrepresented minorities, and persons with disabilities -- is essential to the health and vitality of science and engineering. NSF is committed to this principle of diversity and deems it central to the programs, projects, and activities it considers and supports.

Additional Review Criteria:

Reviewers will be asked to evaluate the measurable industry collaboration (degree and extent to which industries appear to be involved with the proposed research). Proposals will be reviewed as to their industrial relevancy and to help guide program directors as to whether the proposed research could be accomplished without industry participation. Reviewers will also be asked if the proposed research extends the capabilities, scope, or project portfolio of the existing center.

B. Review and Selection Process

Proposals submitted in response to this program solicitation will be reviewed by Ad hoc Review and/or Panel Review.

Reviewers will be asked to formulate a recommendation to either support or decline each proposal. The Program Officer assigned to manage the proposal's review will consider the advice of reviewers and will formulate a recommendation.

After scientific, technical and programmatic review and consideration of appropriate factors, the NSF Program Officer recommends to the cognizant Division Director whether the proposal should be declined or recommended for award. NSF is striving to be able to tell applicants whether their proposals have been declined or recommended for funding within six months. The time interval begins on the deadline or target date, or receipt date, whichever is later. The interval ends when the Division Director accepts the Program Officer's recommendation.

A summary rating and accompanying narrative will be completed and submitted by each reviewer. In all cases, reviews are treated as confidential documents. Verbatim copies of reviews, excluding the names of the reviewers, are sent to the Principal Investigator/Project Director by the Program Officer. In addition, the proposer will receive an explanation of the decision to award or decline funding.

In all cases, after programmatic approval has been obtained, the proposals recommended for funding will be forwarded to the Division of Grants and Agreements for review of business, financial, and policy implications and the processing and issuance of a grant or other agreement. Proposers are cautioned that only a Grants and Agreements Officer may make commitments, obligations or awards on behalf of NSF or authorize the expenditure of funds. No commitment on the part of NSF should be inferred from technical or budgetary discussions with a NSF Program Officer. A Principal Investigator or organization that makes financial or personnel commitments in the absence of a grant or cooperative agreement signed by the NSF Grants and Agreements Officer does so at their own risk.

VII. AWARD ADMINISTRATION INFORMATION

A. Notification of the Award

Notification of the award is made to *the submitting organization* by a Grants Officer in the Division of Grants and Agreements. Organizations whose proposals are declined will be advised as promptly as possible by the cognizant NSF Program administering the program. Verbatim copies of reviews, not including the identity of the reviewer, will be provided automatically to the Principal Investigator. (See Section VI.B. for additional information on the review process.)

B. Award Conditions

An NSF award consists of: (1) the award letter, which includes any special provisions applicable to the award and any numbered amendments thereto; (2) the budget, which indicates the amounts, by categories of expense, on which NSF has based its support (or otherwise communicates any specific approvals or disapprovals of proposed expenditures); (3) the proposal referenced in the award letter; (4) the applicable award conditions, such as Grant General Conditions (GC-1); * or Research Terms and Conditions * and (5) any announcement or other NSF issuance that may be incorporated by reference in the award letter. Cooperative agreements also are administered in accordance with NSF Cooperative Agreement Financial and Administrative Terms and Conditions (CA-FATC) and the applicable Programmatic Terms and Conditions. NSF awards are electronically signed by an NSF Grants and Agreements Officer and transmitted electronically to the organization via e-mail.

*These documents may be accessed electronically on NSF's Website at http://www.nsf.gov/awards/managing/award_conditions.jsp?org=NSF. Paper copies may be obtained from the NSF Publications Clearinghouse, telephone (703) 292-7827 or by e-mail from nsfpubs@nsf.gov.

More comprehensive information on NSF Award Conditions and other important information on the administration of NSF awards is contained in the NSF *Award & Administration Guide* (AAG) Chapter II, available electronically on the NSF Website at http://www.nsf.gov/publications/pub_summ.jsp?ods_key=aag.

C. Reporting Requirements

For all multi-year grants (including both standard and continuing grants), the Principal Investigator must submit an annual project report to the cognizant Program Officer at least 90 days before the end of the current budget period. (Some programs or awards require more frequent project reports). Within 90 days after expiration of a grant, the PI also is required to submit a final project report.

Failure to provide the required annual or final project reports will delay NSF review and processing of any future funding increments as well as any pending proposals for that PI. PIs should examine the formats of the required reports in advance to assure availability of required data.

PIs are required to use NSF's electronic project-reporting system, available through FastLane, for preparation and submission of annual and final project reports. Such reports provide information on activities and findings, project participants (individual and organizational) publications; and, other specific products and contributions. PIs will not be required to re-enter information previously provided, either with a proposal or in earlier updates using the electronic system. Submission of the report via FastLane constitutes certification by the PI that the contents of the report are accurate and complete.

The final report must discuss these sections for the report to be accepted:

Research highlights (limit 300 words):
In terms of <i>intellectual merit</i>, why was this outcome notable and/or important?
In terms of <i>broader impacts</i>, why was this outcome notable and/or important?
If applicable, tell us how this research is or may be transformational.
If applicable, tell us how this research represents broadening participation.
If applicable, tell us how the research may have societal benefits, e.g. the economy.

Implications of Results Possible Applications: Impact on Industry:	
Future of Project Short term plans & ideas (1-3 years): Long range plans & ideas (more than 3 years):	
Images are important. Please include one as a separate file with your highlight submission. Files must be GIFs or JPEGs. Maximum width and height are 240 pixels. Please submit the NSF Form 1515 with your image.	
Image file name: 25 characters or less:	Can NSF use the image?
Image credit line:	
Image caption:	

VIII. AGENCY CONTACTS

General inquiries regarding this program should be made to:

- Glenn H. Larsen, Fundamental Research Program Director, ENG/IIP, telephone: (703) 292-8050, email: glarsen@nsf.gov
- Rathindra DasGupta, I/UCRC Program Director, ENG/IIP, telephone: (703) 292-8353, email: rdasgupt@nsf.gov
- Rita V. Rodriguez, I/UCRC Program Director, CISE, telephone: (703) 292-8950, email: rrodrigu@nsf.gov

For questions related to the use of FastLane, contact:

- FastLane Help Desk, telephone: 1-800-673-6188; e-mail: fastlane@nsf.gov.

IX. OTHER INFORMATION

The NSF Website provides the most comprehensive source of information on NSF Directorates (including contact information), programs and funding opportunities. Use of this Website by potential proposers is strongly encouraged. In addition, National Science Foundation Update is a free e-mail subscription service designed to keep potential proposers and other interested parties apprised of new NSF funding opportunities and publications, important changes in proposal and award policies and procedures, and upcoming NSF Regional Grants Conferences. Subscribers are informed through e-mail when new publications are issued that match their identified interests. Users can subscribe to this service by clicking the "Get NSF Updates by Email" link on the [NSF web site](#).

Grants.gov provides an additional electronic capability to search for Federal government-wide grant opportunities. NSF funding opportunities may be accessed via this new mechanism. Further information on Grants.gov may be obtained at <http://www.grants.gov>.

Related Programs:

ABOUT THE NATIONAL SCIENCE FOUNDATION

The National Science Foundation (NSF) is an independent Federal agency created by the National Science Foundation Act of 1950, as amended (42 USC 1861-75). The Act states the purpose of the NSF is "to promote the progress of science; [and] to advance the national health, prosperity, and welfare by supporting research and education in all fields of science and engineering."

NSF funds research and education in most fields of science and engineering. It does this through grants and cooperative agreements to more than 2,000 colleges, universities, K-12 school systems, businesses, informal science organizations and other research organizations throughout the US. The Foundation accounts for about one-fourth of Federal support to academic institutions for basic research.

NSF receives approximately 40,000 proposals each year for research, education and training projects, of which approximately 11,000 are funded. In addition, the Foundation receives several thousand applications for graduate and postdoctoral fellowships. The agency operates no laboratories itself but does support National Research Centers, user facilities, certain oceanographic vessels and Antarctic research stations. The Foundation also supports cooperative research between universities and industry, US

participation in international scientific and engineering efforts, and educational activities at every academic level.

Facilitation Awards for Scientists and Engineers with Disabilities provide funding for special assistance or equipment to enable persons with disabilities to work on NSF-supported projects. See Grant Proposal Guide Chapter II, Section D.2 for instructions regarding preparation of these types of proposals.

The National Science Foundation has Telephonic Device for the Deaf (TDD) and Federal Information Relay Service (FIRS) capabilities that enable individuals with hearing impairments to communicate with the Foundation about NSF programs, employment or general information. TDD may be accessed at (703) 292-5090 and (800) 281-8749, FIRS at (800) 877-8339.

The National Science Foundation Information Center may be reached at (703) 292-5111.

The National Science Foundation promotes and advances scientific progress in the United States by competitively awarding grants and cooperative agreements for research and education in the sciences, mathematics, and engineering.

To get the latest information about program deadlines, to download copies of NSF publications, and to access abstracts of awards, visit the NSF Website at <http://www.nsf.gov>

- **Location:** 4201 Wilson Blvd. Arlington, VA 22230
- **For General Information** (NSF Information Center): (703) 292-5111
- **TDD (for the hearing-impaired):** (703) 292-5090
- **To Order Publications or Forms:**
 - Send an e-mail to: nsfpubs@nsf.gov
 - or telephone: (703) 292-7827
- **To Locate NSF Employees:** (703) 292-5111

PRIVACY ACT AND PUBLIC BURDEN STATEMENTS

The information requested on proposal forms and project reports is solicited under the authority of the National Science Foundation Act of 1950, as amended. The information on proposal forms will be used in connection with the selection of qualified proposals; and project reports submitted by awardees will be used for program evaluation and reporting within the Executive Branch and to Congress. The information requested may be disclosed to qualified reviewers and staff assistants as part of the proposal review process; to proposer institutions/grantees to provide or obtain data regarding the proposal review process, award decisions, or the administration of awards; to government contractors, experts, volunteers and researchers and educators as necessary to complete assigned work; to other government agencies or other entities needing information regarding applicants or nominees as part of a joint application review process, or in order to coordinate programs or policy; and to another Federal agency, court, or party in a court or Federal administrative proceeding if the government is a party. Information about Principal Investigators may be added to the Reviewer file and used to select potential candidates to serve as peer reviewers or advisory committee members. See Systems of Records, NSF-50, "Principal Investigator/Proposal File and Associated Records," 69 Federal Register 26410 (May 12, 2004), and NSF-51, "Reviewer/Proposal File and Associated Records," 69 Federal Register 26410 (May 12, 2004). Submission of the information is voluntary. Failure to provide full and complete information, however, may reduce the possibility of receiving an award.

An agency may not conduct or sponsor, and a person is not required to respond to, an information collection unless it displays a valid Office of Management and Budget (OMB) control number. The OMB control number for this collection is 3145-0058. Public reporting burden for this collection of information is estimated to average 120 hours per response, including the time for reviewing instructions. Send comments regarding the burden estimate and any other aspect of this collection of information, including suggestions for reducing this burden, to:

Suzanne H. Plimpton
Reports Clearance Officer
Division of Administrative Services
National Science Foundation
Arlington, VA 22230

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