

Partnership for Advancing Technologies in Housing (PATH)

Program Solicitation

NSF 05-547

Replaces Document NSF 03-527



National Science Foundation
Directorate for Engineering
Division of Civil and Mechanical Systems



Department of Housing and Urban Development

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

April 19, 2005

SUMMARY OF PROGRAM REQUIREMENTS

General Information

Program Title:

Partnership for Advancing Technologies in Housing (PATH)

Synopsis of Program:

The Directorate for Engineering of the National Science Foundation (NSF) announces a program solicitation in support of HUD's Partnership for Advancing Technologies in Housing, or PATH. Whereas previous years' solicitations have been open calls for a variety of research proposals, this year's solicitation focuses on groundbreaking proposals in the five interdisciplinary areas designated to be the forefront of housing technology through the NSF-PATH Housing Research Agenda Workshop held at the University of Central Florida in February 2004. Please see the "Researchers" section of www.pathnet.org for a description of this workshop. These five interdisciplinary areas are:

1. Construction Management and Production
2. Structural Design and Materials
3. Building Enclosures, Energy, and Indoor Air Quality
4. Community and Economic Impacts of Housing Technology
5. Systems Interactions and Whole House Approaches

PATH's mission is to advance technology innovation in the homebuilding industry in order to improve housing value and performance. Its goals are to develop new housing R&D ventures; to coordinate non-commercial information and dissemination needs in homebuilding and construction; and to reduce the major institutional and policy barriers for innovation in the industry.

Cognizant Program Officer(s):

- Jesus M. de la Garza, Program Director and Solicitation Coordinator, Directorate for Engineering, Division of Civil & Mechanical Systems, 545 S, telephone: (703) 292-7791, fax: (703) 292-9053, email: jgarza@nsf.gov
- Jorn Larsen-Basse, Program Director, Directorate for Engineering, Division of Civil & Mechanical Systems, 545 S,

- telephone: (703) 292-8360, fax: (703) 292-9053, email: jlarsenb@nsf.gov
- Steven McCabe, Program Director, Directorate for Engineering, Division of Civil & Mechanical Systems, 545 S, telephone: (703) 292-7003, email: smccabe@nsf.gov
 - Dennis Wenger, Program Director, Directorate for Engineering, Division of Civil & Mechanical Systems, 545 S, telephone: (703) 292-7014, fax: (703) 292-9053, email: dwenger@nsf.gov
 - Carlos E. Martin US Department of Housing and Urban Development, 451 7th St. SW Room 8134, Washington, DC, 20410, USA telephone: 202.708.0614 x5845, email: Carlos_E._Martin@hud.gov

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

- 47.041 --- Engineering

Eligibility Information

- **Organization Limit:** Proposals may be submitted by U.S. academic institutions in support of individual investigators or as the lead institution in a partnership. See Section III for additional information.
- **PI Eligibility Limit:** A principal investigator may submit only one proposal. A principal investigator for one proposal may be a co-principal investigator on other proposals.
- **Limit on Number of Proposals:** None Specified.

Award Information

- **Anticipated Type of Award:** Standard Grant
- **Estimated Number of Awards:** 10
- **Anticipated Funding Amount:** \$3,000,000 with an average total grant of \$300,000 for a duration up to 3 years, pending the availability of funds and quality of proposals.

Proposal Preparation and Submission Instructions

A. Proposal Preparation Instructions

- **Full Proposal Preparation Instructions:** Standard GPG Guidelines apply.

B. Budgetary Information

- **Cost Sharing Requirements:** Cost Sharing is not required.
- **Indirect Cost (F&A) Limitations:** Not Applicable.
- **Other Budgetary Limitations:** Other budgetary limitations apply. Please see the full text of this solicitation for further information.

C. Due Dates

- **Full Proposal Deadline Date(s)** (due by 5 p.m. proposer's local time):
April 19, 2005

Proposal Review Information

- **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:** Standard NSF reporting requirements apply.

TABLE OF CONTENTS

Summary of Program Requirements

- I. **Introduction**
- II. **Program Description**
- III. **Eligibility Information**
- IV. **Award Information**
- V. **Proposal Preparation and Submission Instructions**
 - A. **Proposal Preparation Instructions**
 - B. **Budgetary Information**
 - C. **Due Dates**
 - D. **FastLane Requirements**
- VI. **Proposal Review Information**
 - A. **NSF Proposal Review Process**
 - B. **Review Protocol and Associated Customer Service Standard**
- VII. **Award Administration Information**
 - A. **Notification of the Award**
 - B. **Award Conditions**
 - C. **Reporting Requirements**
- VIII. **Contacts for Additional Information**
- IX. **Other Programs of Interest**

I. INTRODUCTION

The Directorate for Engineering of the National Science Foundation (NSF) announces a program solicitation in support of HUD's Partnership for Advancing Technologies in Housing, or PATH. Whereas previous years' solicitations have been open calls for a variety of research proposals, this year's solicitation focuses on groundbreaking proposals in the five interdisciplinary areas designated to be the forefront of housing technology through the NSF-PATH Housing Research Agenda Workshop held at the University of Central Florida in February of 2004, and sponsored by Michigan State University; Purdue University; University of Central Florida; and the National Consortium of Housing Research Centers in coordination with the NSF and PATH. These five interdisciplinary areas are:

1. Construction Management and Production
2. Structural Design and Materials
3. Building Enclosures, Energy, and Indoor Air Quality
4. Community and Economic Impacts of Housing Technology
5. Systems Interactions and Whole House Approaches

Full descriptions of these areas as well as preliminary scholarship within them are available in the NSF-PATH Housing Research Agenda Workshop: Proceedings and Recommendations (Volumes I and II) published by PATH and available at <http://www.pathnet.org/sp.asp?id=12201>

Proposals should contribute to engineering and social science fields with a particular interest in interdisciplinary housing technology issues. Proposals must demonstrate advanced knowledge of housing research needs rather than applications or transfers of other techniques within the housing technology arena. Far reaching exploratory research that can lead to breakthrough technologies and engage transcendent technologies, or lead to groundbreaking technology-related social inquiry, is encouraged. Proposals should not include demonstrations or applications of technology unless included as part of the larger research proposal. Researchers are advised to visit the ENG website at <http://www.nsf.gov/eng> for updates on this initiative, and to consult PATH for recent relevant scholarship.

Background. Despite the importance of the housing industry to the American economy, there is little investment in developing new residential technologies, or in understanding the reasons for this lack of investment (National Construction Goals, White House Office of Science & Technology Policy, 1994). In addition, fragmentation among the various industry stakeholders – homebuilders, material manufacturers, university researchers and government officials – impedes communication and slows adoption of new housing technologies (NAHB Research Center, "Building Better Homes at Lower Costs: The Industry Implementation Plan for the Residential National Construction Goals," 1996). As a result, true innovation and the introduction of emerging technologies into the housing marketplace rarely proceeds beyond the prototype stage, and

understandings of broader motivational and behavioral practices are limited to product-specific surveys. For these reasons, PATH was created in 1998 and has continuously worked with NSF to create and update this program solicitation.

The Partnership for Advancing Technology in Housing (PATH) is a cooperative initiative of the federal government and the homebuilding industry to streamline the development, dissemination and use of innovative housing technologies that improve America's homes. PATH works to speed the acceptance of innovative products and processes by understanding and eliminating the issues and institutional problems related to technology development in the housing industry, understanding the market, social, and industrial process for innovation, and developing new technologies themselves.

PATH recognizes that technological advances in fundamental research require continuous financial support, and acknowledges that fundamental research in housing technology requires an institutional setting. The National Science Foundation supports fundamental research that advances PATH's goals, and serves as the initiative's primary exploratory research component. As such, NSF has played a significant and far-reaching role within the PATH partnership.

II. PROGRAM DESCRIPTION

There is an opportunity and need for long-term, organizational investments in fundamental research in housing innovation. This solicitation is designed to support fundamental engineering, industrial, and social science research that will help promote innovation adoption by the homebuilding industry. Proposals that address one or more of the five NSF-PATH Housing Research Agenda Workshop interdisciplinary areas are particularly invited. Proposed research projects should dramatically contribute to the advancement of the state of technology, engineering, or the social and economic studies of them, as well as have significant long-term impact for the homebuilding industry. Although the primary emphasis will be on achieving a high degree of fundamental understanding, any investigation of potential impact on new applications will also be accepted. Proposals that merely involve industrial development or applications of existing technologies that do not contribute to the body of knowledge, do not fall under this solicitation.

It is anticipated that cooperation among researchers from different disciplines will open new avenues of research and develop new applications. Each research proposal should identify potential areas of application and potential impacts, and should address the ways in which education and training are integrated within the research program. Efforts that incorporate interdisciplinary education experience and that are conducive to student teamwork are also encouraged.

III. ELIGIBILITY INFORMATION

Proposals may be submitted by U.S. academic institutions in support of individual investigators or as the lead institution in a partnership.

A principal investigator may submit only one proposal. A principal investigator for one proposal may be a co-principal investigator on other proposals.

There is no limit on the number of proposals that an institution may submit.

NSF and PATH are interested in proposals involving not only academic institutions, but also involving "partnerships" between one or more U.S. academic institutions, research organizations, industrial enterprises, state or local government, and/or other broadly defined research and development participants relevant to the housing and homebuilding industries. The submitting institution (a U.S. academic institution) must serve as the lead institution or lead partner in such a partnership.

At a minimum, proposed partnerships must include an academic institution, a private sector organization, and a state or local government entity.

These partnerships may capitalize on the shared interests of the partners, create new models for integrating research and development, enable small- and medium-sized firms to utilize academic resources, or strengthen the capabilities of academic institutions for addressing site-specific technology innovation concerns.

In a proposed partnership, NSF will only provide funding for U.S. academic institutions, whether as a lead or a partner institution. NSF will not provide funding for non-academic institutions.

IV. AWARD INFORMATION

NSF anticipates that \$3,000,000 will be available in FY 2005 for this solicitation. NSF anticipates funding 10 standard grants for a duration up to 3 years with an average of \$300,000 per grant. The final number of awards will be subject to the availability of funds and the quality of the proposals.

V. PROPOSAL PREPARATION AND SUBMISSION INSTRUCTIONS

A. Proposal Preparation Instructions

Full Proposal Instructions:

Proposals submitted in response to this program announcement/solicitation should be prepared and submitted in accordance with the general guidelines contained 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/cgi-bin/getpub?gpg>. Paper copies of the GPG may be obtained from the NSF Publications Clearinghouse, telephone (703) 292-7827 or by e-mail from pubs@nsf.gov.

Proposers are reminded to identify the program announcement/solicitation number (05-547) in the program announcement/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 in proposals submitted under this Program Solicitation.

Other Budgetary Limitations:

An average total grant of \$300,000. Maximum award duration: 3 years.

In a proposed partnership, NSF will only provide funding for U.S. academic institutions, whether as a lead or a partner institution. NSF will not provide funding for non-academic institutions.

C. Due Dates

Proposals must be submitted by the following date(s):

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

April 19, 2005

D. FastLane Requirements

Proposers are required to prepare and submit all proposals for this announcement/solicitation through the FastLane system. Detailed instructions for proposal preparation and submission via FastLane are available at: <https://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 announcement/solicitation should be referred to the NSF program staff contact(s) listed in Section VIII of this announcement/solicitation.

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. Proposers are no longer required to provide a paper copy of the signed Proposal Cover Sheet to NSF. Further instructions regarding this process are available on the FastLane Website at: <http://www.fastlane.nsf.gov>

VI. PROPOSAL REVIEW INFORMATION

A. NSF Proposal Review Process

Reviews of proposals submitted to NSF are solicited from peers with expertise in the substantive area of the proposed research or education project. These reviewers are selected by Program Officers charged with the oversight of the review process. NSF invites the proposer to suggest, at the time of submission, the names of appropriate or inappropriate reviewers. Care is taken to ensure that reviewers have no conflicts with the proposer. Special efforts are made to recruit reviewers from non-academic institutions, minority-serving institutions, or adjacent disciplines to that principally addressed in the proposal.

The National Science Board approved revised criteria for evaluating proposals at its meeting on March 28, 1997 ([NSB 97-72](#)). All NSF proposals are evaluated through use of the two merit review criteria. In some instances, however, NSF will employ additional criteria as required to highlight the specific objectives of certain programs and activities.

On July 8, 2002, the NSF Director issued [Important Notice 127](#), Implementation of new Grant Proposal Guide Requirements Related to the Broader Impacts Criterion. This Important Notice reinforces the importance of addressing both criteria in the preparation and review of all proposals submitted to NSF. NSF continues to strengthen its internal processes to ensure that both of the merit review criteria are addressed when making funding decisions.

In an effort to increase compliance with these requirements, the January 2002 issuance of the GPG incorporated revised proposal preparation guidelines relating to the development of the Project Summary and Project Description. Chapter II of the GPG specifies that Principal Investigators (PIs) must address both merit review criteria in separate statements within the one-page Project Summary. This chapter also reiterates that broader impacts resulting from the proposed project must be addressed in the Project Description and described as an integral part of the narrative.

Effective October 1, 2002, NSF will return without review proposals that do not separately address both merit review criteria within the Project Summary. It is believed that these changes to NSF proposal preparation and processing guidelines will more clearly articulate the importance of broader impacts to NSF-funded projects.

The two National Science Board approved merit review criteria are listed below (see the [Grant Proposal Guide](#) Chapter III.A for further information). 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 he/she is qualified to make judgments.

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 and original 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?

NSF staff 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: How does the proposed activity suggest an innovative program for housing research? How does the proposed work help in achieving PATH goals? How does the proposed work help in expanding the body of knowledge of home building technology and the innovation process in general? How does it directly address one or more of the NSF-PATH Housing Research Agenda areas? What is the potential to foster and sustain innovation in housing in the long-term?

B. Review Protocol and Associated Customer Service Standard

All proposals are carefully reviewed by at least three other persons outside NSF who are experts in the particular field represented by the proposal. Proposals submitted in response to this announcement/solicitation will be reviewed by Ad Hoc 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.

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 Director. In addition, the proposer will receive an explanation of the decision to award or decline funding.

In most cases, proposers will be contacted by the Program Officer after his or her recommendation to award or decline funding has been approved by the Division Director. This informal notification is not a guarantee of an eventual award.

NSF is striving to be able to tell proposers whether their proposals have been declined or recommended for funding within six months. The time interval begins on the closing date of an announcement/solicitation, or the date of proposal receipt, whichever is later. The interval ends when the Division Director accepts the Program Officer's recommendation.

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 Division 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.A. 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 (NSF-GC-1); * or Federal Demonstration Partnership (FDP) Terms and Conditions * and (5) any announcement or other NSF issuance that may be incorporated by reference in the award letter. Cooperative agreement awards also are administered in accordance with NSF Cooperative Agreement Terms and Conditions (CA-1). Electronic mail notification is the preferred way to transmit NSF awards to organizations that have electronic mail capabilities and have requested such notification from the Division of Grants and Agreements.

*These documents may be accessed electronically on NSF's Website at http://www.nsf.gov/home/grants/grants_gac.htm. Paper copies may be obtained from the NSF Publications Clearinghouse, telephone (703) 292-7827 or by e-mail from

More comprehensive information on NSF Award Conditions is contained in the NSF *Grant Policy Manual* (GPM) Chapter II, available electronically on the NSF Website at <http://www.nsf.gov/cgi-bin/getpub?gpm>. The GPM is also for sale through the Superintendent of Documents, Government Printing Office (GPO), Washington, DC 20402. The telephone number at GPO for subscription information is (202) 512-1800. The GPM may be ordered through the GPO Website at <http://www.gpo.gov>.

C. Reporting Requirements

For all multi-year grants (including both standard and continuing grants), the PI must submit an annual project report to the cognizant Program Officer at least 90 days before the end of the current budget period.

Within 90 days after the expiration of an award, the PI also is required to submit a final project report. Failure to provide final technical reports delays NSF review and processing of pending proposals for the PI and all Co-PIs. 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. This system permits electronic submission and updating of project reports, including information on project participants (individual and organizational), activities and findings, 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.

VIII. CONTACTS FOR ADDITIONAL INFORMATION

General inquiries regarding this program should be made to:

- Jesus M. de la Garza, Program Director and Solicitation Coordinator, Directorate for Engineering, Division of Civil & Mechanical Systems, 545 S, telephone: (703) 292-7791, fax: (703) 292-9053, email: jgarza@nsf.gov
- Jorn Larsen-Basse, Program Director, Directorate for Engineering, Division of Civil & Mechanical Systems, 545 S, telephone: (703) 292-8360, fax: (703) 292-9053, email: jlarsenb@nsf.gov
- Steven McCabe, Program Director, Directorate for Engineering, Division of Civil & Mechanical Systems, 545 S, telephone: (703) 292-7003, email: smccabe@nsf.gov
- Dennis Wenger, Program Director, Directorate for Engineering, Division of Civil & Mechanical Systems, 545 S, telephone: (703) 292-7014, fax: (703) 292-9053, email: dwenger@nsf.gov
- Carlos E. Martin US Department of Housing and Urban Development, 451 7th St. SW Room 8134, Washington, DC, 20410, USA telephone: 202.708.0614 x5845, email: Carlos_E._Martin@hud.gov

For questions related to the use of FastLane, contact:

- Kimberly J. Bryant, Information Technology Specialist, Directorate for Engineering, Division of Civil & Mechanical Systems, 545 S, telephone: (703) 292-7006, fax: (703) 292-9053, email: kbryant@nsf.gov

IX. OTHER PROGRAMS OF INTEREST

The NSF *Guide to Programs* is a compilation of funding for research and education in science, mathematics, and engineering. The NSF *Guide to Programs* is available electronically at <http://www.nsf.gov/cgi-bin/getpub?gp>. General descriptions of NSF programs, research areas, and eligibility information for proposal submission are provided in each chapter.

Many NSF programs offer announcements or solicitations concerning specific proposal requirements. To obtain additional information about these requirements, contact the appropriate NSF program offices. Any changes in NSF's fiscal year programs occurring after press time for the *Guide to Programs* will be announced in the NSF *E-Bulletin*, which is updated daily on the NSF Website at <http://www.nsf.gov/home/ebulletin>, and in individual program announcements/solicitations. Subscribers can also sign up for NSF's *Custom News Service* (<http://www.nsf.gov/home/cns/start.htm>) to be notified of new funding opportunities that become available.

ABOUT THE NATIONAL SCIENCE FOUNDATION

The National Science Foundation (NSF) funds research and education in most fields of science and engineering. Awardees are wholly responsible for conducting their project activities and preparing the results for publication. Thus, the Foundation does not assume responsibility for such findings or their interpretation.

NSF welcomes proposals from all qualified scientists, engineers and educators. The Foundation strongly encourages women, minorities and persons with disabilities to compete fully in its programs. In accordance with Federal statutes, regulations and NSF policies, no person on grounds of race, color, age, sex, national origin or disability shall be excluded from participation in, be denied the benefits of, or be subjected to discrimination under any program or activity receiving financial assistance from NSF, although some programs may have special requirements that limit eligibility.

Facilitation Awards for Scientists and Engineers with Disabilities (FASED) provide funding for special assistance or equipment to enable persons with disabilities (investigators and other staff, including student research assistants) to work on NSF-supported projects. See the GPG Chapter II, Section D.2 for instructions regarding preparation of these types of proposals.

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: pubs@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; 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 applicant 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 needing information as part of the review process or in order to coordinate programs; 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," 63 Federal Register 267

(January 5, 1998), and NSF-51, "Reviewer/Proposal File and Associated Records," 63 Federal Register 268 (January 5, 1998). 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 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 this burden estimate and any other aspect of this collection of information, including suggestions for reducing this burden, to: Suzanne Plimpton, Reports Clearance Officer, Division of Administrative Services, National Science Foundation, Arlington, VA 22230.

OMB control number: 3145-0058.

[Website Policies and Links](#)

[Privacy](#)

[FOIA](#)

[Help](#)

[Contact NSF](#)

[Contact Web Master](#)

[SiteMap](#)



The National Science Foundation, 4201 Wilson Boulevard, Arlington, Virginia 22230, USA
Tel: (703) 292-5111, FIRS: (800) 877-8339 | TDD: (800) 281-8749

Last Updated:
01/13/05