

Mathematical Sciences Postdoctoral Research Fellowships (MSPRF)

Program Solicitation

NSF 07-573

Replaces Document(s):

NSF 05-510



National Science Foundation

Directorate for Mathematical & Physical Sciences
Division of Mathematical Sciences

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

October 17, 2007

Third Wednesday in October, Annually Thereafter

SUMMARY OF PROGRAM REQUIREMENTS

General Information

Program Title:

Mathematical Sciences Postdoctoral Research Fellowships (MSPRF)

Synopsis of Program:

The purpose of the Mathematical Sciences Postdoctoral Research Fellowships (MSPRF) is to support future leaders in the mathematical sciences by enabling them to participate in research environments that will have maximal impact on their future scientific development. There will be two options for awardees: Research Fellowship and Research Instructorship. Awards will be made for appropriate research in areas of the mathematical sciences, including applications to other disciplines.

Cognizant Program Officer(s):

- Lloyd E. Douglas, Program Director, 1025 N, telephone: (703) 292-4862, fax: (703) 292-9032, email: ldouglas@nsf.gov

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

- 47.049 --- Mathematical and Physical Sciences

Award Information

Anticipated Type of Award: Fellowship Grant

Estimated Number of Awards: 30 to 35

Anticipated Funding Amount: \$3,800,000 subject to availability of funds

Eligibility Information

Organization Limit:

Proposals may only be submitted by the following:

- The Mathematical Sciences Postdoctoral Research Fellowships are awards to individuals, and applications are submitted directly by the applicant to the NSF. Fellows must affiliate with institutions or organizations (e.g., colleges and universities, government and national laboratories and facilities, privately sponsored nonprofit institutes and museums, and for-profit organizations under certain conditions). (See Section II, "Location of Work")

PI Limit:

Applicants must be: U.S. citizens, nationals, or legally admitted permanent resident aliens; may not have held the doctoral degree more than two years as of January 1 of the year of the award; must propose research in the mathematical sciences; may not have previously received a Federal research grant; and may not submit a research plan duplicated in another NSF proposal.

Limit on Number of Proposals per Organization:

None Specified

Limit on Number of Proposals per PI:

One application per person.

Proposal Preparation and Submission Instructions

A. Proposal Preparation Instructions

- **Letters of Intent:** Not Applicable
- **Full Proposal Preparation Instructions:** This solicitation contains information that deviates from the standard 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 by NSF.
- **Indirect Cost (F&A) Limitations:** Fellowships have an institutional allowance of \$4,500 for partial reimbursement of indirect costs.
- **Other Budgetary Limitations:** Other budgetary limitations apply. Please see the full text of this solicitation for further information.

C. Due Dates

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

October 17, 2007

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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: Additional award conditions apply. Please see the full text of this solicitation for further information.

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

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I. INTRODUCTION

As researchers in the mathematical sciences expand their interactions with other disciplines, and as the interplay increases between the various areas of the mathematical sciences, opportunities for postdoctoral research and training become increasingly important. Postdoctoral fellowships are designed to permit awardees to choose research environments that will have maximal impact on their future scientific development. Awards of these fellowships will be made for appropriate research in areas of the mathematical sciences, including applications to other disciplines. The proposed research must be in the area of the mathematical sciences.

II. PROGRAM DESCRIPTION

The purpose of the Mathematical Sciences Postdoctoral Research Fellowships (MSPRF) is to permit Fellows to choose research environments that will have maximal impact on their future scientific development.

The Fellows will have two options for the academic years' stipend:

The Research Fellowship option provides full-time support for any eighteen academic-year months in a three-year period, in intervals not shorter than three consecutive months.

The Research Instructorship option provides a combination of full-time and half-time support over a period of three academic years, usually one academic year full-time and two academic years half time.

Under both options, the award includes six summer months; however, no more than two summer months of support may be received in any calendar year.

Under both options, the stipend support for 24 months (18 academic-year months plus 6 summer months) will be provided within the 48-month duration of the award.

ARRANGEMENTS FOR FELLOWSHIP INSTITUTION AND SPONSORING SCIENTIST

A. Location of Work

Research and training supported by the MSPRF may be conducted at any appropriate U.S. or foreign host institution. Appropriate institutions include colleges and universities, government and national laboratories and facilities, and privately sponsored nonprofit institutes and museums and for-profit organizations.

Because one of the objectives of the program is to broaden the perspectives and experiences of the Fellows, careful consideration should be given to the selection of the sponsoring scientists and host institutions.

Under certain circumstances it might be desirable for portions of the work to be done at foreign institutions. Approval to do so must be obtained in advance from both the sponsoring scientist and the cognizant NSF program officer.

B. The Sponsoring Scientist

The Fellow must affiliate with a host institution during the entire tenure of the fellowship. The applicant is responsible for making prior arrangements with the host institution and sponsoring scientist. Regardless of the number of sponsors or locations, the fellowship application requires a single sponsoring scientist statement. If more than one sponsor is proposed, one must be named lead sponsor and information from all must be integrated into a single sponsoring scientist statement. Likewise, if more than one site is proposed, the sponsoring scientist statement must integrate all sponsors and locations in a single statement. An important basis for judging the suitability of the proposed host institution is the degree to which the sponsoring scientist statement describes and offers a research environment and mentoring opportunity that could be difficult to achieve without fellowship support.

Before completion of the first year of fellowship tenure, changes in the host institution will be approved only under very unusual circumstances. Since the likely impact of both the sponsoring scientist and the host institution on the professional development of the applicant is an important factor in the evaluation process, the selection of these, especially for the first year of fellowship tenure, will normally be viewed as a commitment on the part of the applicant to fulfill the plan for research as outlined in the application. Securing a position at an institution other than the proposed host institution is not considered a "very unusual circumstance."

III. AWARD INFORMATION

NSF expects to make approximately 30-35 Mathematical Sciences Postdoctoral Fellowships per year, from a budget of approximately \$3.8 million per year, depending on the quality of submissions and the availability of funds. Fellowship awards are for a total of \$108,000. The anticipated date of awards is April in the year following the application deadline. The stipend support for 24 months (18 academic-year months plus 6 summer months) will be provided within the 48-month duration of the award.

DURATION/TENURE AND STIPEND/ALLOWANCES

A. Duration and Tenure

The Fellow may choose to exercise the Research Instructionship option either in the original application or any time before beginning tenure; however, the choice of institution and sponsoring scientist must be approved in advance by the cognizant NSF program officer.

Each applicant must apply for a total of either two academic years of full-time support, or one academic year of full-time and two academic years of half-time support. The tenure period also includes three two-month summer periods, which generally will immediately precede or immediately follow an academic year of support. Tenure must start between June 1 and October 1 of the year of the award. The doctoral degree must be conferred before the tenure start date. Fellowships may not be renewed.

B. Stipend and Allowances

The total Fellowship amount is \$108,000 and consists of three separate types of payments.

1. A monthly stipend of \$4,000 for full-time support or \$2,000 for half-time support is paid directly to the Fellow as an electronic funds transfer into a personal account at a financial institution.
2. A research allowance of \$7,500 is paid as a lump sum to the Fellow in the same manner for expenses directly related to the conduct of the research, such as materials and supplies, subscription fees and recovery costs for databases, travel, and publication expenses. The Fellow should keep records to document the expenditures
3. An institutional allowance for a total of \$4,500 is paid to the host institution for partial reimbursement of indirect costs such as fringe benefits, including health insurance payments for the Fellow, and for expenses incurred in support of the Fellow, such as space, equipment, and general-purpose supplies. There are no allowances for dependents.

IV. ELIGIBILITY INFORMATION

Organization Limit:

Proposals may only be submitted by the following:

- The Mathematical Sciences Postdoctoral Research Fellowships are awards to individuals, and applications are submitted directly by the applicant to the NSF. Fellows must affiliate with institutions or organizations (e.g., colleges and universities, government and national laboratories and facilities, privately sponsored nonprofit institutes and museums, and for-profit organizations under certain conditions). (See Section II, "Location of Work")

PI Limit:

Applicants must be: U.S. citizens, nationals, or legally admitted permanent resident aliens; may not have held the doctoral degree more than two years as of January 1 of the year of the award; must propose research in the mathematical sciences; may not have previously received a Federal research grant; and may not submit a research plan duplicated in another NSF proposal.

Limit on Number of Proposals per Organization:

None Specified

Limit on Number of Proposals per PI:

One application per person.

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 pubs@nsf.gov.

Application Preparation Instructions for Fellowships (same for either Fellowship option)

Mathematical Sciences Research Fellowship Program Application - Must be submitted electronically using the NSF FastLane system. Only one application is permitted per person. A complete submission requires coordination between the applicant, the sponsoring scientist(s), and the references; and includes all of the following items:

1. An application package completed by the applicant consisting of:
 - Project Summary;
 - 3-5 page Project Description; and
 - Biographical Sketch (limited to 2 pages, see the NSF Grant Proposal Guide for more information).
2. Three or four letters of reference (one from the doctoral advisor and others from scientists who know the applicant well). FastLane submission of the reference letters is required. (See below Section V.D. on FastLane Requirements)
3. The sponsoring scientists' statement. The statement should indicate both expected availability for consultation during the requested tenure period and agreement to work with the Fellow. In particular, this statement should include a discussion of the role that the sponsoring scientist will play in the professional development of the applicant and of the opportunities for training and research at the host institution that will be of particular benefit to the applicant. This should also include the appropriateness to the match between the sponsoring scientist and the Fellow. FastLane submission of the sponsoring scientists' statement is required.

Additional Instructions for the Project Description

The Project Description addresses what the applicant hopes to accomplish during the fellowship period and how it relates to her/his career goals. Applicants are reminded to follow the PDF FastLane Hints and Pointers Document at https://www.fastlane.nsf.gov/NSFHelp/flashhelp/fastlane/FastLane_Help/fastlane_help.htm#create_pdf_files_introduction.htm. The Project Description consists of:

- an introduction or background section;
- a statement of research objectives, methods, and significance;
- an explanation of how the fellowship activities will enhance the applicant's career development; and
- a justification of the choice of sponsoring scientists and host institutions.

FastLane Instructions for Fellowship Applicants

To access FastLane, go to the NSF Web site at <http://www.nsf.gov> then select "FastLane," or go directly to the FastLane home page at <https://www.fastlane.nsf.gov/>. Detailed preparation and submission instructions are available by clicking on Postdoctoral Fellowships. Then under Who Are You?, click on Applicant. Select "Mathematical Sciences Postdoctoral Research Fellowships." Click on "How to Apply." The applicant must obtain the sponsoring scientists' statement and upload it into Supplementary Docs.

FastLane Instructions for Sponsoring Scientists

The applicant will upload both the sponsoring scientist statement and the Information Sheet into the application. Either mail, e-mail or FAX the documents to the applicant. A copy of the Information Sheet can be found on FastLane <https://www.fastlane.nsf.gov> under Postdoctoral Fellowships. Under Who Are You? Click on Sponsoring Scientist. Select "Mathematical Sciences Postdoctoral Research Fellowships." Click on "How to Prepare Statement."

FastLane Instructions for Authors of Reference Letters

To prepare and submit the reference letters, the applicant must give the authors the applicant's Temporary Proposal Number and a password. The Temporary Proposal Number is used to provide secure access to the FastLane application for preparing and submitting the reference letters. Access is limited to only those to whom the applicant gives the Temporary Proposal Number. This number links the reference to the application. Access FastLane (<https://www.fastlane.nsf.gov>). Click on Postdoctoral Fellowships hyperlink. Under Who Are You?, click on "Letter of Reference Writer." Click the "GO" button for Letter of Reference Preparation/Submission. Click on the Prepare New Letter of Reference hyperlink. Enter the applicant's Temporary Proposal Number, your last name, and your password, then provide the requested Reference Letter.

More detailed information about the FastLane Application Package Preparation and Submission is available on FastLane <https://www.fastlane.nsf.gov>. Click on Postdoctoral Fellowships. Questions may also be directed by e-mail to dmsfl@nsf.gov or fastlane@nsf.gov.

Proposers are reminded to identify the program solicitation number (Populated with NSF Number at Clearance) 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 by NSF in proposals submitted to the National Science Foundation.

Indirect Cost (F&A) Limitations: Fellowships have an institutional allowance of \$4,500 for partial reimbursement of indirect costs.

Other Budgetary Limitations: The fellowship application does not require an itemized budget.

C. Due Dates

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

October 17, 2007

Third Wednesday in October, 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 and, if they meet NSF proposal preparation requirements, for review. 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 with the proposer.

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 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:

Additional Evaluation and Selection of Fellows

The evaluation of applicants will be based on ability and potential as evidenced by past research and letters of support; suitability and availability of the sponsoring scientist and other colleagues, as well as other conditions at the proposed host institution such as adequate space, basic services, and supplies; likely impact of the scientific advisor and the host institution on the scientific development of the applicant; scientific quality of the research likely to emerge; and the potential of the applicant's contributions to the Foundation's education and human resource goals. Applications will be evaluated by a panel of mathematical scientists.

The selection of Fellows will be made by the National Science Foundation, and applicants may expect to be notified by letter on or about February 8th.

Although the Fellow usually receives verbatim copies of reviews (as stated elsewhere in this solicitation), no written reviews are generated during the review process for this program, so the Fellow will not receive copies of reviews for proposals submitted to this program solicitation.

B. Review and Selection Process

Proposals submitted in response to this program solicitation will be reviewed by 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 date of receipt. 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 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 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/general_conditions.jsp?org=NSF. Paper copies may be obtained from the NSF Publications Clearinghouse, telephone (703) 292-7827 or by e-mail from pubs@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.

Special Award Conditions: All awards are made subject to the general provisions in the brochure entitled Information for Mathematical Sciences Postdoctoral Research Fellows, which will be mailed to successful applicants. The information contained in the brochure is summarized below.

All arrangements for affiliation with the chosen fellowship institution(s) are the responsibility of the Fellow.

If the Research Fellowship option is chosen, Fellows will be expected to devote full time to appropriate scientific research during the tenure of the fellowship, and to pursue the program for which the fellowship was awarded. Institutions may supplement fellowship stipends without prior approval from the Foundation provided that such is done in accordance with established institutional policies. Supplementation may be given only if there is no requirement for duties in addition to normal fellowship activities, and may involve teaching only to the extent of conducting or participating in seminars directly related to the fellowship activities and research program.

If the Fellow chooses the Research Instructorship option, Fellows will be expected to devote half time to appropriate scientific research during the tenure of the fellowship. The institution at which the Fellow plans to hold the Instructorship must agree to provide a half-time position with a teaching load not to exceed the equivalent of three teaching hours per semester for the academic year period during which half-time NSF support is received. This agreement need not be obtained until after the awards are announced; lack of such an agreement at the time of the application will not adversely affect the evaluation.

For either the Research Fellowship or the Research Instructorship option, the host institution's faculty should have competence in the Fellow's research area, and a member of the institution's faculty must agree to serve in the role of sponsoring scientist.

Before completion of the first year of fellowship tenure, changes in the host institution will be approved only under very unusual circumstances. Since the likely impact of both the sponsoring scientist and the host institution on the professional development of the applicant is an important factor in the evaluation process, the selection of these, especially for the first year of fellowship tenure, will normally be viewed as a commitment on the part of the applicant to fulfill the plan for research as outlined in the application. Securing a position at an institution other than the proposed host institution is not considered a "very unusual circumstance."

Under certain circumstances it might be desirable for portions of the work to be done at foreign institutions. Approval to do so must be obtained in advance from both the sponsoring scientist and the cognizant NSF program officer.

In exceptional circumstances, applications for less than full-time postdoctoral support, with reduced stipends, will be considered. Requests for such must be made in the original application, and applicants must agree to accept remuneration from no other source while on part-time tenure. Major changes in the plan of scientific research, in tenure, or in fellowship institution require prior Foundation approval. After an award is made, the dollar amount and length of tenure are not subject to increase except as indicated above.

In the context of the brochure's guidelines, funds that the institution has obtained from external (including federal) sources may be considered as institutional funds. NSF awards may be used for supplementation of stipends in an amount not to exceed \$1,000 per year.

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.

Within 90 days after termination of the fellowship, the Fellow is required to submit a termination certificate. The termination certificate will be provided to the Fellow by NSF. It replaces any annual or final reports described in this solicitation.

VIII. AGENCY CONTACTS

General inquiries regarding this program should be made to:

- Lloyd E. Douglas, Program Director, 1025 N, telephone: (703) 292-4862, fax: (703) 292-9032, email: ldouglas@nsf.gov

For questions related to the use of FastLane, contact:

- FastLane Help Desk, telephone: 1-800-673-6188; e-mail: fastlane@nsf.gov.
- Florence Rabanal, Electronic Business Coordinator, 1005 N, telephone: (703) 292-8808, fax: (703) 292-9151, email: frabanal@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, MyNSF (formerly the Custom News Service) is an information-delivery system 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 or the user's Web browser each time new publications are issued that match their identified interests. MyNSF also is available on NSF's Website at <http://www.nsf.gov/mynsf/>.

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>.

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: 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; 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

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Last Updated:
11/07/06
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