



National Science Foundation

Rotational Vacancy

ANNOUNCEMENT NO: E20050147A-IPA OPEN: 09-30-2005 CLOSE: 11-15-2005

POSITIONS WILL BE FILLED ON A ONE OR TWO YEAR INTERGOVERNMENTAL PERSONNEL ACT (IPA) ASSIGNMENT BASIS.

INDIVIDUALS WISHING TO APPLY FOR A PERMANENT POSITION SEE VACANCY NUMBER E20050144A.

***ANNOUNCEMENT HAS BEEN AMENDED TO CORRECT THE POSITION LOCATION**

The National Science Foundation is seeking a candidate for a position as Program Director for the Office of Cyberinfrastructure, Office of the Director (OD), Arlington, VA. **The desired starting date for this appointment is January 1, 2006.**

The NSF Office of Cyberinfrastructure (OCI) supports the acquisition, development and operation of state-of-the-art cyberinfrastructure resources, providing cyberinfrastructure services that promote otherwise unrealizable advances in 21st century science and engineering research and education.

OCI-supported cyberinfrastructure includes resources such as supercomputers, high-capacity mass-storage systems, system software suites and programming environments, scalable interactive visualization tools, productivity software libraries and tools, large-scale data repositories and information management systems, networks of various reach and granularity, and an array of software tools and services that hide the complexities contemporary cyberinfrastructure while providing enhanced usability and accessibility. OCI also supports the scientific and engineering professionals who create and maintain these IT-based resources and systems, and who provide the Nation's researchers and educators with essential cyberinfrastructure services. More information about OCI can be found at <http://www.nsf.gov/div/index.jsp?org=OCI>

DUTIES AND RESPONSIBILITIES: The incumbent will perform assignments to assisting the Office Director in the development of long-range strategic plans for investments in areas for which the Office of Cyberinfrastructure is responsible; managing the merit review process for assigned cyberinfrastructure proposals to ensure investments are made in a rich mix of state-of-the-art projects that promise to advance the frontier and contribute to the attainment of NSF'S strategic goals; managing an effective, timely review process with particular attention to increasing the size and quality of the reviewer pools and ensuring participation by under-represented groups such as women, minorities, and scientists with disabilities; completing award and decline recommendation actions in a timely manner to meet performance standards. Also ensures proposals comply with NSF policy, subject to constraints imposed when proposals are jointly funded with other agencies or directorates; managing the assignment of financial resources to new and continuing awards; overseeing and managing the post-award management process for OCI projects, including reviewing annual reports, conducting, effective, timely sight visits and overseeing a post-award evaluation process; communicating effectively with others in all areas of responsibility and working closely with administrative staff in processing work and meeting dead lines; engaging and communicating with the science and engineering community to remain informed as to their research and education requirements of cyberinfrastructure.

QUALIFICATIONS REQUIRED:

Applicants must have a Ph.D. or equivalent experience in computer science, computational science, communication, and information science. They must also have knowledge of the academic science and engineering community, skill in written communications and preparation of technical reports, and an ability to communicate effectively orally. Essential to this position are six or more years of successful research, research administration, and/or managerial experience beyond the Ph.D. in an area supported by NSF. This position will be filled on a one or two year under the terms of the Intergovernmental Personnel Act (IPA) with a current salary range of \$88,369 to \$137,713, depending on qualifications and experience. For IPA assignments, the individual remains an employee on the payroll of his or her home institution and the institution continues to administer pay and benefits. NSF reimburses the institution for NSF's negotiated share of the costs. Individuals eligible for an IPA assignment include employees of State and local government agencies, institutions of higher education, Indian tribal governments, federally funded research and development centers and qualified nonprofit organizations. For more information regarding IPA assignments, visit our website at http://www.nsf.gov/about/career_opps.

QUALIFICATIONS DESIRED: In addition to the qualifications outlined above, further qualifications desired include:

- standing in the academic cyberinfrastructure community;
- expertise in both software infrastructure and state-of-the art networking technologies;
- software expertise in the areas of: programming paradigms for parallel computing, programming languages and compilers, operating systems, runtime systems, file systems, middleware, libraries, programming environments, graphical-user-interfaces, visualization software, software testing and harnesses and software development in a geographically distributed development environment; and
- knowledge of planned and emerging cyberinfrastructure environments that support science and engineering research and education.

HOW TO APPLY: Applications may be transmitted electronically to rotator@nsf.gov. Individuals may also submit a resume or any application of your choice to the National Science Foundation, Division of Human Resource Management, 4201 Wilson Blvd., Arlington, VA 22230, Attn: E20050147a- IPA. In addition, you are encouraged to submit a narrative statement that addresses your background and/or experience related to the Program you are applying for. You are asked to complete and submit the attached Applicant Survey form. Submission of this form is voluntary and will not affect your application for employment (the information is used for statistical purposes). Telephone inquiries may be referred to Executive and Visiting Personnel Branch at (703) 292-8755. For technical information, contact Dr. Deborah L. Crawford, Acting Director, at (703) 292-8900 or email dcrawfor@nsf.gov. Hearing impaired individuals may call TDD (703) 292-8044.

The National Science Foundation provides reasonable accommodations to applicants with disabilities on a case-by-case basis. If you need a reasonable accommodation for any part of the application and hiring process, please notify the point of contact listed on this vacancy announcement.

**NSF IS AN EQUAL OPPORTUNITY EMPLOYER COMMITTED TO EMPLOYING A
HIGHLY QUALIFIED STAFF THAT REFLECTS THE DIVERSITY OF OUR NATION**

NATIONAL SCIENCE FOUNDATION
APPLICANT SURVEY

OMB No. 3145-0096
Expiration: 7/31/2005

Vacancy Ann. #: _____ Position Status (temporary/permanent): _____

Position Title/Series/Grade: _____

INSTRUCTIONS

Your completion of this form will be appreciated. Submission of this Information is voluntary and it will have no effect on the processing of your application. The data collected will be used only for statistical purposes to ensure that agency personnel practices meet the requirements of Federal law. Pursuant to 5 CFR 1320.5(b), 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 3145-0096. NSF estimates that each respondent should take about 3 minutes to complete this survey, including time to read the instructions. You may have comments regarding this burden estimate or any other aspect of this survey, including suggestions for reducing this burden. If so, please send them to NSF Reports Clearance Officer, Division of Administrative Services, NSF, 4201 Wilson Blvd., Arlington, VA. 22230.

PRIVACY ACT INFORMATION

GENERAL - This information is provided pursuant to Public Law 93-579 (Privacy Act of 1974), December 31, 1974, for individuals completing Federal records and forms that solicit personal information.

AUTHORITY - Section 7201 of title 5 of the U.S. Code and Section 2000e-16 of title 42 of the U.S. Code.

PURPOSE AND ROUTINE USES

The information is used for research and for a Federal Equal Opportunity Recruitment Program (FEORP) to help insure that agency personnel practices meet the requirements of Federal law. Address questions concerning this form and its uses to the Privacy Act Officer, National Science Foundation, Arlington, VA 22230.

1. Today's Date: _____ 2. Year of Birth: _____

3. How did you learn about the particular position for which you are applying? (Circle appropriate number.)

- | | |
|---|---|
| 01 - Newspaper (specify) _____ | 10 - Federal, State or local job information center |
| 02 - Contact with NSF Personnel Office
(Agency Bulletin Board or other Announcement) | 11 - State vocational rehabilitation agency or
Veterans Administration |
| 03 - NSF-initiated personal contact | 12 - State employment office |
| 04 - Science Magazine, or other professional journal or magazine
(specify) _____ | 13 - School or college counselor or other official |
| 05 - Affirmative Action Register | 14 - Private job Information service |
| 06 - Attendance at conference, meeting or job fair
(specify) _____ | 15 - Private employment service |
| 07 - NSF recruitment at school or college | 16 - Friend or relative working at NSF |
| 08 - Colleague referral | 17 - Friend or relative not working at NSF |
| 09 - NSF Bulletin | 18 - NSF website |
| | 19 - Internet or other website |
| | 20 - Other (specify) _____ |

4. Select the ethnic category with which you most closely identify:

- A. **Hispanic or Latino.** A person of Cuban, Mexican, Puerto Rican, South or Central American, or other Spanish culture or origin, regardless of race.
- B. **Not Hispanic or Latino.**

5. Select one or more racial category with which you most closely identify:

- A. **American Indian or Alaska Native.** A person having origins in any of the original peoples of North and South America (including Central America), and who maintains tribal affiliation or community attachment.
- B. **Asian.** A person having origins in any of the original peoples of the Far East, Southeast Asia, or the Indian subcontinent including, for example, Cambodia, China, India, Japan, Korea, Malaysia, Pakistan, the Philippine Islands, Thailand, and Vietnam.
- C. **Black or African American.** A person having origins in any of the black racial groups of Africa.
- D. **Native Hawaiian or Other Pacific Islander.** A person having origins in any of the original peoples of Hawaii, Guam, Samoa, or other Pacific Islands.
- E. **White.** A person having origins in any of the original peoples of Europe, the Middle East, or North Africa.

6. Sex (Circle the appropriate letter.) F - Female M - Male

7. Please provide information on your disability status by circling the appropriate category below:

- 1. I do not have a disability; 2. Hearing impairment; 3. Vision impairment; 4. Missing extremities; 5. Partial paralysis;
- 6. Complete paralysis; 7. Convulsive disorder; 8. Mental retardation; 9. Mental or emotional illness; 10. Severe distortion of limbs and/or spine; 11. I have a disability but it is not listed.

.....
FOR AGENCY USE

Agency Code: _____

AN EQUAL EMPLOYMENT OPPORTUNITY EMPLOYER