National Science Foundation
Senior Executive Service Vacancy

ANNOUNCEMENT NUMBER: S20050118-LTD **OPEN:** 08/03/2005 **CLOSE:** 09/01/2005

POSITION VACANT: Director, Office of Cyberinfrastructure (OCI), Office of the Director (OD)
LOCATION: Arlington, Virginia

SALARY RANGE: The Federal pay range for Senior Executive Service positions is $107,550 to $149,200 per annum
AREA OF CONSIDERATION: All Qualified Applicants
Announcement is for a one-to-three year limited term appointment. Position is also announced on a career basis in S20050118-C and on an Intergovernmental Personnel Act assignment basis in S20050118-IPA.

STATEMENT OF DUTIES: For the foreseeable future, cyberinfrastructure will play an increasingly important role in catalyzing advances in science and engineering. In addition to making new approaches to discovery, learning and innovation possible, cyberinfrastructure will increasingly provide enhanced access to scientific methods and instrumentalities, thereby promising to democratize the conduct of science and engineering research and education.

Research and education activities enabled by NSF-supported cyberinfrastructure encompass the full range of science and engineering disciplines supported by the agency. NSF's cyberinfrastructure projects are often multidisciplinary, unique and complex, and operate at the state-of-the-art. Projects are designed to meet the specific requirements of the science and engineering research and education community, and they leverage the private sector's significant investments in commodity cyberinfrastructure. Both scientifically and administratively NSF's cyberinfrastructure projects represent significant management challenges, operating at the cutting edge of science, engineering and technology.

The incumbent serves as NSF's principal spokesperson in the area of cyberinfrastructure, serving as the principal cyberinfrastructure advisor to the Director of NSF and as a member of the agency's Cyberinfrastructure Council (CIC). He/she directs the activities of the Office of Cyberinfrastructure, which provides essential cyberinfrastructure services in support of the national science and engineering research and education community.

The incumbent: provides strategic leadership in the development and implementation of support for state-of-the-art cyberinfrastructure services to meet the needs of the academic science and engineering research and education community; takes the lead in strategic planning and policy setting for cyberinfrastructure; determines cyberinfrastructure funding requirements and prepares and justifies budget estimates; defines and balances program needs, actively working with relevant NSF personnel and other stakeholders to ensure that necessary research, education and other infrastructure investments are being made; oversees the evaluation of cyberinfrastructure proposals and recommendations for awards and declinations; oversees the management and oversight of a complex portfolio of cyberinfrastructure projects; develops and applies criteria for evaluating the performance of cyberinfrastructure projects supported; represents NSF to relevant stakeholder groups, fostering partnerships with other Divisions, Directorates, Federal agencies, private sector organizations, the academic community, and the international community.

QUALIFICATIONS REQUIREMENTS
EXECUTIVE/MANAGERIAL

Essential

1. **Leading Change.** Demonstrated ability to develop and implement an organizational vision that integrates key national science and engineering research and education goals. Includes understanding of the relative roles and relationships of Federal, academic and private organizations involved in the

development and support of programs to improve the status of science research and education. Includes the ability to formulate effective program strategies consistent with the overall goals of the organization.

2. **Leading People.** Demonstrated ability to achieve organizational objectives by creatively managing and motivating staff. Includes the knowledge and ability to promote quality through the effective use of performance standards and assessment. Includes leveraging diversity and other differences, promoting developmental opportunities for staff, fostering commitment and team spirit, and constructively resolving conflicts.

3. **Results-Driven Leadership.** Demonstrated knowledge and ability in planning, prioritizing, and coordinating large, complex projects. Includes the ability to make timely and effective decisions, to produce results through strategic planning and the implementation and evaluation of programs and policies. Includes the ability to address and balance complex and diverse program requirements within available resources.

4. **Business Acumen.** Demonstrated ability to utilize human, financial, material, and information resources in a manner that instills public trust and accomplishes the organization's mission; and to take advantage of new technologies to enhance the effectiveness of decision making. Includes demonstrated ability in recruiting and selecting staff, allocating financial resources, and managing budgetary processes.

5. **Building Coalitions/Communication.** Demonstrated ability: to serve as a senior spokesperson for a major organization involved in the support of engineering, science and technology development initiatives, and to foster partnerships. Includes the ability to coordinate organizational strategy and initiatives with representatives of scientific and business communities and with representatives of state governments. Includes the ability to interact constructively with Congress, Federal officials, representatives of professional organizations and the public.

PROFESSIONAL/TECHNICAL

Essential

1. Ph.D. or equivalent professional experience or a combination of education and equivalent experience in a computational science or engineering field.

2. Familiarity with Federal, academic and private sector initiatives focused on cyberinfrastructure.

3. Experience with leading the development and implementation of an organizational cyberinfrastructure vision designed to meet the diverse needs of the science and engineering research community.

4. Demonstrated knowledge and ability in planning, prioritizing, coordinating and managing large, complex cyberinfrastructure projects.

5. Skill in recognizing, developing and implementing approaches and programs which build on the expertise and knowledge of researchers and educators in multiple disciplines to develop solutions to important cross-cutting research and education problems.

6. Broad knowledge of the computer and communications industries and their underlying technology suppliers.

7. Demonstrated knowledge of relevant academic community and recognized professional standing in the science and engineering community as evidenced by publications and/or professional leadership and awards.

GENERAL INFORMATION

The Senior Executive Service (SES) covers managerial positions above GS-15 in the Federal Service. Persons appointed to the SES are eligible for health benefits, life insurance, social security, Federal retirement and thrift savings plan coverage, and participate in the Federal leave system. Competitive status is not required, veteran's preference does not apply and there are no grade restrictions. **The individual selected will be required to file an "Executive Branch Personnel Public Financial Disclosure Report" (SF-278) in accordance with the Ethics in Government Act of 1978.**

EVALUATION METHOD

Applicants will be screened for basic eligibility according to the essential qualification requirements. Eligible applicants will be reviewed by an Evaluation Panel according to criteria based on the qualification requirements. The best qualified candidates will be referred to the appropriate official who will recommend selection. All applicants will be considered without regard to race, color, religion, sex, national origin, political affiliation, marital status, physical disability, age, membership in an employee organization or other non-merit reason. Any applicant may request information or appeal the procedures and operations of the merit staffing process to the Executive Resources Board.

APPLICATION INSTRUCTIONS

Please ensure that your application includes the documents listed below and reflects your background in terms of the qualification requirements for the position.

1.) Resume or other application format of your choice. Your application should contain the following information: Country of citizenship. Information about your education, your major, and type and year of degree(s). Information about all your work experience, including job titles, duties and accomplishments, employer's name and phone number, number of hours worked per week, starting and ending dates (month and year), and salary. If you have held various positions with the same employer, describe each separately. The brochure *Applying for a Federal Job* (OF 510) provides information on the federal job application process; it is available on OPM's website at http://www.opm.gov/forms/html/of.htm.

2.) Narrative statement addressing your background in terms of (a) the executive/managerial and (b) the professional/technical requirements.

3.) NSF Form 1232, "Applicant Survey." Submission of this form is voluntary and will not affect your application for employment. The information provided will be used only for statistical purposes.

APPLICATION SUBMISSION: Applications must be received by the closing date on this announcement. Applications may be transmitted electronically to execsrch@nsf.gov or mailed or delivered to the following address: National Science Foundation, Division of Human Resource Management, Executive Personnel, Room 315, ATTN: S20050118-LTD, 4201 Wilson Blvd., Arlington, VA 22230. Inquiries or questions should be directed to: Executive Personnel Staff at (703) 292-8755; hearing impaired individuals should call TDD (703) 292-8044. Additional information on the NSF mission, structure, programs and operations may be accessed through our Homepage http://www.nsf.gov/**.** 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 on this vacancy announcement.

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

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FOR AGENCY USE

Agency Code:_____

AN EQUAL EMPLOYMENT OPPORTUNITY EMPLOYER