



# National Science Foundation *Rotational Vacancy*

**DIRECTORATE FOR ENGINEERING  
DIVISION OF ENGINEERING EDUCATION AND CENTERS  
ARLINGTON, VA 22230**

**ANNOUNCEMENT NO:** E20060020-Rotators

**OPEN:** 11/21/05

**CLOSE:** 12/05/05

**POSITIONS WILL BE FILLED ON A ONE OR TWO YEAR VISITING SCIENTIST APPOINTMENT, INTERGOVERNMENTAL PERSONNEL ACT (IPA) ASSIGNMENT BASIS, OR FEDERAL TEMPORARY APPOINTMENT.**

The National Science Foundation is seeking a qualified candidate for a Program Director and member of the Engineering Research Center (ERC) Program team in the Division of Engineering Education and Centers (EEC), Directorate for Engineering, Arlington, VA. **The desired starting date for these appointments is January 2006.**

ERCs play critical roles in advancing knowledge, technology and education in partnership with industry. Each center focuses cross-disciplinary teams of faculty and students on the definition, fundamental understanding, development, and validation of technologies needed to realize a well-defined class of engineered systems with the potential to spawn whole new industries or radically transform the product lines, processing technologies, or service delivery methodologies of current industries. Faculty, students and industry partners integrate discovery and learning in an interdisciplinary environment that reflects the complexities and realities of real-world technology and product development. The National Science Foundation (NSF) views these centers as change agents for academic engineering programs and the engineering community at large and expects their innovations in research and education to add to current knowledge, affect industrial practice, and impact curricula at all levels from pre-college to life-long learning. Each ERC or NSEC is funded by NSF for up to 10 years and undergoes annual and renewal reviews. Other information about the ERC Program may be found at <http://www.eng.nsf.gov/eec/programs/index.htm#centers> and a detailed description of the activities of the ERCs may be found at [http://www.erc-assoc.org/erc\\_links.htm](http://www.erc-assoc.org/erc_links.htm).

NSF Program Directors bear the primary responsibility for carrying out the Agency's overall mission: to support innovative and merit-reviewed activities in basic research and education that contribute to the nation's technical strength, security, and welfare. Discharging this responsibility requires not only knowledge in the appropriate disciplines, but also a commitment to high standards, a considerable breadth of interest and receptivity to new ideas, a strong sense of fairness, good judgment, and a high degree of personal integrity.

The positions will be filled on a one or two year Visiting Scientist Appointment, under the terms of the Intergovernmental Personnel Act (IPA) or as a Federal Temporary Appointment. Temporary and Visiting Scientist appointments will be made under the Excepted Authority of the NSF Act with a current salary range of \$88,369, to \$137,713, depending on qualifications and experience. For Visiting Scientist appointments, individuals are in a non-pay leave status from the home institution and are appointed to NSF's payroll as a Federal employee. NSF withholds FICA and provides reimbursement for fringe benefits. For Federal temporary appointments of more than one year, the usual civil service benefits (retirement, health and life insurance) are applicable. 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 Visiting Scientist appointments or IPA assignments, visit our website at [www.nsf.gov/about/career\\_ops](http://www.nsf.gov/about/career_ops).

**QUALIFICATIONS REQUIRED:** A Ph.D. or equivalent experience in civil engineering or public policy, plus six or more years of successful research, research administration and/or substantial managerial experience in academe, industry, or government. All appointees are expected to function effectively both within specific program, as well as in a team mode, contributing to and coordinating with organizations in the Directorate, across the Foundation, and with other Federal and State government agencies and private-sector organizations. Periodic assignments to leadership of interdivisional, inter-directorate and interagency initiatives may be made.

**DUTIES AND RESPONSIBILITIES:** As Program Director, the individual selected will be a member of the team of Program Directors and staff responsible for the selection and post-award oversight of Engineering Research Centers. The individual will work under the supervision of the Director of the Division of Engineering Education and Centers and the guidance of the Leader of the ERC Program in carrying out the duties of this position. The position advertised is for an individual with an education that focuses on civil engineering and public policy because of the interplay of these disciplines in earthquake hazard mitigation and the role of public policy in other ERCs focused the interplay of civil infrastructure and hazard warning systems with public policy and public service decision-making. There are currently three Earthquake ERCs and one ERC focused on developing a sensing hazard warning system for severe storms. The successful candidate will be responsible for the oversight of the three Earthquake ERCs over the next three years until they graduate. The development of a summative assessment of the impact of these ERCs based on their final reports to NSF, the coordination of their activities with the other relevant divisions of NSF, and the coordination of the public policy research within these and other ERCs. The Program Director will work with a team of other Program Directors from NSF to carry out these post-award oversight responsibilities. The oversight of ERCs is a complex and interesting endeavor that requires and develops background in research management, strategic planning, education, and industrial collaboration.

**HOW TO APPLY:** Applications may be transmitted electronically to [rotator@nsf.gov](mailto: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: **E20060020-Rotators**. 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 the Executive and Visiting Personnel Branch, at (703) 292-8755. Technical questions may be referred to Dr. Lynn Preston at 703-292-5358. 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.

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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) \_\_\_\_\_
- 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.

FOR AGENCY USE

Agency Code: \_\_\_\_\_

AN EQUAL EMPLOYMENT OPPORTUNITY EMPLOYER