



# National Science Foundation

## *Rotational Vacancy*

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

**ANNOUNCEMENT NUMBER: E20020114-Rotator**

**OPEN: 05/16/2002**

**CLOSE: UNTIL FILLED**

**Vacancy announcement may close 14 days from opening date without notice.**

The National Science Foundation is seeking qualified candidates to serve as Program Director for the Engineering Research Centers (ERC) Program, within the Division of Engineering Education and Centers (EEC), Directorate for Engineering. The primary responsibility of this position is providing oversight to the three NSF-funded Earthquake Engineering Research Centers (EERCs). ERCs play critical roles in research, education, human resource development and diversity, and industrial collaboration and technology transfer. Each focuses cross-disciplinary teams of faculty and students on developing fundamental understanding and the 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, design practices, or service delivery methodologies of current industries. Other information about the ERC Program may be found at [www.eng.nsf.gov/eec/erc.htm](http://www.eng.nsf.gov/eec/erc.htm) and detailed descriptions of the activities of the ERCs and the EERCs may be found in fact sheets describing the individual centers at [www.nsf.gov/pubs/2000/nsf00137/start.htm](http://www.nsf.gov/pubs/2000/nsf00137/start.htm). The desired starting date is August 1, 2002, but earlier starts and brief delays can be accommodated.

Positions will be filled on a one or two year Visiting Scientist Appointment, Temporary Appointment or under the terms of the Intergovernmental Personnel Act (IPA). Temporary and Visiting Scientist appointments will be made under the Excepted Authority of the NSF Act. For temporary appointments of more than one year, the usual civil service benefits (retirement, health and life insurance) are applicable. 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 Social Security and provides reimbursement for fringe benefits. For IPA assignments, the individual remains on the payroll of his/her 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. The individual remains an employee of the home institution.

**Duties and Responsibilities:** The oversight of ERCs and EERCs is a complex and interesting endeavor that requires background in research management, strategic planning, and integration of research findings into educational materials, and technology transfer. The successful candidate will be a member of the team of Program Directors and staff responsible for the selection and post-award oversight and review of ERCs and EERCs and will work under the guidance of the Leader of the ERC Program, who is responsible for overall management of the ERC Program. The successful candidate will be responsible for the oversight of three Earthquake Engineering Research Centers, which focus on earthquake hazard mitigation and societal response to earthquakes, and any new ERCs that might be funded in civil infrastructure systems. The successful candidate will be responsible for coordinating the EERCs to assure effective collaboration among them and with the larger earthquake engineering and earthquake hazard mitigation communities. To carry out these post-award oversight responsibilities, the Program Director will work with a team of other Program Directors from NSF who specialize in structural engineering, geotechnical engineering, earth sciences, decision modeling, and societal response to hazards. The position also involves coordination of the EERCs and infrastructure-related ERCs activities with the research programs funded by the ENG/Division of Civil and Mechanical Systems, other divisions of the NSF, and other relevant federal agencies, including those under the National Earthquake Hazards Reduction Program.

**Qualifications Required:** A candidate must have a Ph.D. or equivalent experience in Civil Engineering, plus six or more years of successful research, research administration, and/or managerial experience related to the position. A candidate's background should include experience in structural engineering, geotechnical engineering, or civil infrastructure systems. Position requires demonstrated experience managing cross-disciplinary research in a university/industry environment, as an academic, industrial, or government manager of industry/university research programs. A background in risk analysis, modeling, and the interface of civil infrastructure systems with policy makers is desirable as well.

The salary range, which includes a locality pay adjustment, is from \$78,265 to \$121,967 per annum depending on qualifications and experience. Individuals interested in applying for this vacancy should 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: E20020114-Rotator. In addition 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 Maria Sutton, on (703) 292-4364. For technical information, contact Duane Abata, Search Committee Coordinator, Division of Engineering Education and Centers, by email at [dabata@nsf.gov](mailto:dabata@nsf.gov). Hearing impaired individuals may call TDD (703) 292-8044. Announcements may be accessed electronically on the World Wide Web at: [www.nsf.gov/jobs](http://www.nsf.gov/jobs).

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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NATIONAL SCIENCE FOUNDATION  
APPLICANT SURVEY

OMB No. 3145-0096  
Expiration: August 2002

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<br>(Agency Bulletin Board or other Announcement) | 11 - State vocational rehabilitation agency or<br>Veterans Administration |
| 03 - NSF-initiated personal contact   | 12 - State employment office  |
| 04 - Science Magazine, or other professional journal or magazine<br>(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<br>(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. Please select the racial/ethnic category with which you most closely identify yourself. (Circle the appropriate letter)

- A. **American Indian or Alaskan Native.** A person having origins in any of the original peoples of North America, who maintains cultural identification through tribal affiliation or community recognition.
- B. **Asian or Pacific Islander.** A person having origins in any of the original peoples of the Far East, Southeast Asia, the Indian subcontinent, or the Pacific Islands. This area includes, for example, China, India, Korea, the Philippine Islands, and Samoa.
- C. **Black, not of Hispanic origin.** A person having origins in any of the Black racial groups of Africa. This does not include persons of Mexican, Puerto Rican, Cuban, Central or South American, or other Spanish cultures or origins.
- D. **Hispanic.** A person of Mexican, Puerto Rican, Cuban, Central or South American or other Spanish culture or origin, regardless of race.
- E. **White, not of Hispanic origin.** A person having origins in any of the original peoples of Europe, North Africa or the Middle East. This does not include persons of Mexican, Puerto Rican, Cuban, Central or South American, or other Spanish cultures or origin.

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

6. 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**