



National Science Foundation

Rotational Vacancy

**DIRECTORATE FOR ENGINEERING
DIVISION OF CHEMICAL AND TRANSPORT SYSTEMS
ARLINGTON, VA 22230**

ANNOUNCEMENT NO: E20050061-Rotator **OPEN:** April 1, 2005 **CLOSE:** April 30, 2005

POSITION WILL BE FILLED ON AN INTERGOVERNMENTAL PERSONNEL ACT (IPA) ASSIGNMENT BASIS, FEDERAL TEMPORARY APPOINTMENT, OR ONE OR TWO-YEAR VISITING SCIENTIST APPOINTMENT.

The National Science Foundation seeks a candidate for the position as Program Director of the Particulate and Multiphase Processes Program, Division of Chemical and Transport Systems (CTS), Directorate for Engineering, Arlington, VA. This position will be filled in January of 2006.

The Division of Chemical and Transport Systems (CTS) supports research that involves the development of fundamental engineering principles, mathematical models, and experimental techniques, with an emphasis on projects that have the potential for innovation and broad application. As one of the eight programs in CTS, the Particulates and Multiphase Processes Program supports fundamental and applied research on mechanisms and phenomena governing multiphase fluid flow, particle formation and transport, aerosol science and technology, granular flows, various multiphase processes, self and directed assembly of nanostructures, and fluid-solid-system interactions. The supported research contributes to improving basic understanding, the design, predictability, efficiency, and control of existing systems that involve the dynamics of fluids and particulates, as well as the innovative uses of fluids and particulates in materials development, manufacturing, biotechnology, and the environment. More information about CTS and its programs can be found on their website at <http://www.nsf.gov/div/index.jsp?div=CTS>.

The position will be filled under the terms of the Intergovernmental Personnel Act (IPA), Federal Temporary Appointment, or on a one or two-year Visiting Scientist Appointment. 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. Federal 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 more information regarding Visiting Scientist appointments or IPA assignments, visit our website at http://www.nsf.gov/about/career_opps.

DUTIES AND RESPONSIBILITIES: As Program Director, the incumbent directs the implementation, proposal review and funding, post-award management, and evaluation of the program and contributes to the intellectual integration with other programs supported by the Division and NSF. Designs and implements the proposal review and evaluation process for relevant proposals. Selects well qualified individuals to provide objective reviews on proposals either as individuals or as members of a panel. Conducts final review of proposals and evaluations, and recommends acceptance or declination. Manages and monitors on-going grants, contracts, interagency and cooperative agreements to ensure fulfillment of commitments to NSF. Evaluates progress of awards through

monitoring and evaluation of reports and publications submitted by awardees and/or meetings at NSF and during site visits. Documents notable achievements of grantees. Contributes to the Division's responsibility for establishing goals and objectives, initiating new program thrusts and phasing out old projects. Recommends new or revised policies and plans in scientific, fiscal, and administrative matters to improve the activities and management of the Program. Participates in the planning and management of cross-cutting NSF programs.

QUALIFICATIONS: Applicants must possess a Ph.D. or equivalent experience in chemical engineering or mechanical engineering or related engineering field. In addition, six or more years of successful research, research administration, and/or managerial experience pertinent to the program.

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: E20050061-Rotators. In addition, you are encouraged to submit a narrative statement that addresses your background and/or experience related to the Program of interest. 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 Jacqueline S. Jackson, at (703) 292-4358. Technical questions may be referred to Dr. Richard O. Buckius, CTS Division Director, at 703-292-8370. 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