



**NATIONAL SCIENCE FOUNDATION  
4201 Wilson Boulevard  
Arlington, Virginia 22230**

DATE: September 19, 2006

**TITLE:** Division of Chemical, Bioengineering, Environmental, and Transport Systems (CBET) -- Employment Opportunity for Program Director position for the Particulate and Multiphase Processes Program.

Dear Colleague:

The Chemical, Bioengineering, Environmental, and Transport Systems Division (CBET) within the Engineering Directorate (ENG) at the National Science Foundation (NSF) announces a nationwide search for an engineering professional to fill the position of

**Program Director -- Particulate and Multiphase Processes (PMP).**

Applications for this position will be accepted through **November 21, 2006**. The Particulate and Multiphase Processes Program supports fundamental and applied research on mechanisms and phenomena governing multiphase processes, granular and granular-fluid flows, particle/bubble/droplet interactions, aerosol science and technology, suspensions, micro-/nanostructured fluids, self and directed assembly of nanostructures, and related instrumentation and diagnostics. While disciplinary expertise is expected, the focus of the search is for a scholarly, open-minded, diverse and intellectually capable individual to join the present team in sharing ENG's responsibilities within NSF's overall mission to support merit-reviewed education and research activities.

**NSF Program Directors** bear the primary responsibility for carrying out the Agency's overall mission. 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.

Required qualifications include a Ph.D. or equivalent professional experience in the relevant discipline, plus six or more years of successful research, research administration and/or substantial managerial experience in academe, industry, or government. Also desirable is knowledge of the general scientific community, skill in written communication and preparation of technical reports, an ability to communicate orally, and several years of successful independent research of the kind normally expected of the academic rank of professor or associate professor. All appointees are expected to function effectively both within specific programs and in a team mode, contributing to and coordinating with organizations in ENG, across NSF, and with other Federal and State government agencies and private-sector organizations as necessary.

Periodic appointments to leadership of interdivisional, inter-directorate and interagency programs may be made. The Program Director position recruited under this announcement may be filled under one of the following temporary appointment options:

**Intergovernmental Personnel Assignment (IPA) Act:** Individuals eligible for an IPA assignment with a Federal agency include employees of State and local government agencies or institutions of higher education, Indian tribal governments, and other eligible organizations in instances where such assignments would be of mutual benefit to the organizations involved. Initial assignments under IPA provisions may be

made for a period up to two years, with a possible extension for up to an additional two-year period. The individual remains an employee of the home institution and NSF provides funding toward the assignees salary and benefits. Initial IPA assignments are made for a one-year period and may be extended by mutual agreement.

**Visiting Scientist Appointment.** Appointment to this position will be made under the Excepted Authority of the NSF Act. Visiting Scientists are on a non-paid leave status from their home institution and appointed to NSF's payroll as Federal employee. NSF withholds Social Security benefits (i.e., health benefits and life insurance), either directly to the home institution or to the carrier. Appointments are usually made for up to one year and may be extended for an additional year by mutual agreement.

**Temporary Excepted Service Appointment.** Appointment to this position will be made under the Excepted Authority of the NSF Act. Candidates who do not have civil service status or reinstatement eligibility will not obtain civil service status if selected. Candidates currently in the competitive service will be required to waive competitive civil service rights if selected. Usual civil service benefits (retirement, health benefits, life insurance) are applicable for appointments of more than one year. Temporary appointments may not exceed three years.

For additional information on NSF's rotational programs, please see "Programs for Scientists, Engineers, and Educators" on the NSF website at [http://www.nsf.gov/about/career\\_opps](http://www.nsf.gov/about/career_opps).

Should you or one of your colleagues be interested in this position, or should you wish to nominate a suitable candidate or candidates, please contact the search committee coordinators, Dr. Maria K. Burka ([mburka@nsf.gov](mailto:mburka@nsf.gov)) or Dr. Marshall M Lih ([mlih@nsf.gov](mailto:mlih@nsf.gov)), and forward a curriculum vita to Dr. Burka by November 21, 2006. Applications will be reviewed immediately after this date. Inquires, applications and nominations for this Program Director position should be directed to either:

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