



NATIONAL SCIENCE FOUNDATION
4201 WILSON BOULEVARD
ARLINGTON, VA 22230

Title: Division of Civil, Mechanical and Manufacturing Innovation (CMMI)
Employment Opportunity--Dear Colleague Letter

Date: October 26, 2006

Dear Colleague:

The Division of Civil, Mechanical and Manufacturing Innovation (CMMI) within the Engineering Directorate (ENG) at the National Science Foundation (NSF) announce a nationwide search for an individual to serve as Program Director for the **Infrastructure Management and Hazard Response (IMHR)** Program at the National Science Foundation (NSF). Applications for this position will be accepted through December 15, 2006.

The IMHR program focuses on multidisciplinary issues concerning the impact of natural, technological, and human-generated hazards upon critical infrastructure systems and society. The program seeks to integrate research from engineering, social, behavioral, political and economic approaches to foster improved engineering decision making. Research related to preparedness for, response to, recovery from, and mitigation of disasters resulting from natural, technological and human-generated hazards is supported. The goal of the program is to support fundamental research related to risk and vulnerability faced by the nation's civil infrastructure in order that they may be reduced and costs of threats and hazardous events maybe lessened. These factors include the interdependence of engineered infrastructure, and the relationships between disasters, the performance of the built environment, and human institutions and behaviors. The Program Director coordinates research support on hazards with programs across the foundation

The IMHR Program is part of the Engineering Infrastructure Systems Cluster of the CMMI Division. This cluster includes the following program elements: GeoEnvironmental Engineering and GeoHazards Mitigation; the George E. Brown, Jr. Network for Earthquake Engineering Simulation (NEES); Infrastructure Management and Hazard Response; Manufacturing Machines and Equipment and Structural Systems and Hazards Mitigation of Structures. The successful candidate is expected to work together with the other Cluster Program Directors, especially in the management of NEES. The incumbent must function effectively both within specific programs and in a team mode, contributing to and coordinating with organizations in the Engineering and Social, Behavioral and Economic Sciences Directorates, across the Foundation, and with other Federal, State, and local government agencies. Periodic assignments to leadership positions of inter-divisional, inter-directorate and inter-agency activities may be made.

Qualification requirements include a Ph.D. in a relevant social science or engineering discipline, plus six or more years of active research in the field, research administration and/or substantial managerial experience in academe, industry, or government. The successful candidate is expected to pursue a multi-disciplinary approach to research in the program areas. Also important are knowledge of natural, technological and man-made hazards, hazards preparedness, response, recovery, mitigation and infrastructure management, as well as effective communication skills (written and oral).

NSF Program Directors bear the primary responsibility for carrying out the Foundation's overall mission to support innovative and merit-reviewed activities in research and education that contribute to the nation's technological strength, security, and welfare. To discharge this responsibility requires knowledge in the appropriate disciplines and 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 focus of this search is to identify a scholarly, mentoring and open-minded person to join the present diverse and intellectually integrated CMMI team.

This position may be filled under one of the following appointment options:

- **Visiting Scientist Appointment.** Appointment to this position will be made under the Excepted Authority of the NSF Act. Visiting Scientists are on non-paid leave status from their home institution and appointed to NSF's payroll as Federal employees. NSF withholds Social Security taxes and pays the home institution's contributions to maintain retirement and fringe benefits (i.e., health benefits and life insurance), either directly to the home institution or to the carrier.
- **Intergovernmental Personnel Act (IPA).** 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 assignment would be a mutual benefit to the organizations involved. The individual remains an employee of the home institution and NSF provides funding toward the assignee's salary and benefits.
- **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.

Applications and questions concerning this Program Director position should be directed to:

Dr. Douglas Foutch, Chair IMHR Search Committee
ENG/CMMI
National Science Foundation
Arlington, VA 22230

Or via e-mail at: dfoutch@nsf.gov

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