



**NATIONAL SCIENCE FOUNDATION  
4201 WILSON BOULEVARD  
ARLINGTON, VIRGINIA 22230**

**CMMI 16-007**

**Dear Colleague Letter: Directorate for Engineering (ENG), Division of Civil, Mechanical and Manufacturing Innovation (CMMI), Civil Infrastructure Systems (CIS) - Employment Opportunity (Open Until Filled)**

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February 9, 2016

Dear Colleagues:

The Division of Civil, Mechanical and Manufacturing Innovation (CMMI), within the Directorate for Engineering at the National Science Foundation, announces a nationwide search to fill the Program Director position for the Civil Infrastructure Systems (CIS) program.

Formal consideration of interested applications will begin **March 10, 2016** and will continue until a selection is made with an intended start date of September 2016.

Program Directors have an unparalleled opportunity and responsibility to ensure NSF-funded research is at the forefront of advancing fundamental knowledge. In support of that, Program Directors are responsible for extensive interaction with academic research communities and industry, as well as interaction with other Federal agencies that may lead to development of interagency collaborations. Within this context, Program Directors solicit, receive and review research and education proposals, make funding recommendations, administer awards, and undertake interaction with research communities in these fields. They are also responsible for service to Foundation-wide activities and initiatives that together accomplish NSF's strategic goals to: 1) Transform the Frontiers of Science and Engineering, 2) Stimulate Innovation and Address Societal Needs through Research and Education, and 3) Excel as a Federal Science Agency. The position requires a commitment to high standards of intellectualism and ethical conduct, a considerable breadth of interest, receptivity to new ideas, a strong sense of fairness, good judgment, and a high degree of personal integrity.

The Civil Infrastructure Systems (CIS) program supports fundamental and innovative research necessary for designing, constructing, managing, maintaining, operating, repairing, replacing and protecting efficient, resilient and sustainable civil infrastructure systems. Consideration of the civil infrastructure as a system in which interactions between spatially-distributed components and intersystem connections/interdependencies (physical, information or behavioral) exist is emphasized. Behavioral and social considerations are also key. The successful candidate will demonstrate in-depth understanding of systems engineering as applied to civil infrastructure systems, including the built environment — building systems, transportation systems, communication systems and public utility systems — and covering the life cycle of these systems from design through construction, operation, repair and maintenance, and removal/replacement given ordinary and disrupted operating environments. The program is highly multidisciplinary, participating in several cross-cutting initiatives both within NSF and across the Federal government. Thus, experience with multidisciplinary research is desired. The incumbent is expected to work closely with the NSF Directorate for Social, Behavioral and Economic Sciences and the Directorate for Computer and Information Science and Engineering and should have

experience working both independently and in diverse, multidisciplinary teams.

Persons wishing to apply for this position are referred to the Divisional web page, <http://www.nsf.gov/div/index.jsp?div=CMMI> for a description of the program. These persons are also encouraged to contact the current Program Director, who is identified on the program web page, for more information.

Qualifications of a successful candidate include a PhD. degree in an appropriate field plus after award of the PhD, six years or more of successful research, research administration, and/or managerial experience pertinent to the position. The position requires effective oral and written communication skills, and familiarity with NSF programs and activities is highly desirable. The incumbent is expected to function effectively both as an individual within the specific NSF program and as a member of crosscutting and interactive teams. The incumbent must also demonstrate a capability to work across government agencies to promote NSF activities and to leverage program funds through interagency collaborations.

The Program Director position recruited under this announcement may be filled under the following rotational programs:

**Visiting Scientist, Engineer or Educator (VSEE) 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 institutions and placed on the NSF payroll. 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 institutions or to the carrier. Appointments are usually made for a one-year period and may be extended for up to two additional years by mutual agreement. These positions are eligible to convert to permanent NSF service. Please see the link <http://www.nsf.gov/careers/rotator/vsee.jsp>.

**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 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, and life insurance) are applicable for appointments of more than one year. Temporary appointments may not exceed three years.

**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 the negotiated funding toward the assignee's salary and benefits. Initial IPA assignments are made for a one-year period and may be extended by mutual agreement. Please see the link <http://www.nsf.gov/careers/rotator/ipa.jsp>.

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/careers/> and <http://www.nsf.gov/careers/rotator/microsite/>.

Applicants should indicate in their cover letter that they are applying to the CIS Position. Please submit your application to:

CMMI Program Director Search Committee  
Dr. George A. Hazelrigg  
Division of Civil, Mechanical and Manufacturing Innovation  
Directorate for Engineering  
National Science Foundation  
Arlington, VA 22230  
[ghazelri@nsf.gov](mailto:ghazelri@nsf.gov)

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