



NATIONAL SCIENCE FOUNDATION  
4201 WILSON BOULEVARD  
ARLINGTON, VIRGINIA 22230

CMMI 16-003

## **Dear Colleague Letter: Division of Civil, Mechanical and Manufacturing Innovations (CMMI) Dynamics, Control and System Diagnostics Program - Employment Opportunity for Program Director Position (Open Until Filled)**

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November 6, 2015

Dear Colleague:

The Division of Civil, Mechanical and Manufacturing Innovation (CMMI) within the Directorate for Engineering at the National Science Foundation (NSF) announces a nationwide search to fill the Program Director position for the Dynamics, Control and System Diagnostics (DCSD) Program. The National Science Foundation (NSF) Program Directors are in charge of specific research areas. They solicit, receive and review research and education proposals, make funding recommendations and administer awards. They are also responsible for interaction with other Federal agencies, forming and guiding interagency collaborations, and for service to Foundation-wide activities. The new Program Director is expected to begin in summer, 2016.

Formal consideration of interested applications will begin November 30, 2015 and will continue until a selection is made.

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 judgement, and a high degree of personal integrity.

The Dynamics, Control and Systems Diagnostics (DCSD) program supports fundamental research on the analysis, measurement, monitoring and control of dynamic systems. The program promotes innovation in the following four areas: 1) Creation of new mathematical frameworks to apply tools of dynamics to physical systems (modeling), 2) The discovery and exploration of structure in dynamic behavior (analysis), 3) Dynamic methods that infer system properties from observations (diagnostics), and 4) Methods that produce desired dynamic behavior (control). The fundamental research supported by the DCSD program must be aligned with the disciplinary thrusts of the CMMI division.

Persons wishing to apply for this position are referred to the Divisional web page,

[http://www.nsf.gov/funding/pgm\\_summ.jsp?pims\\_id=505182](http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=505182), for a description of the program. These persons are also encouraged to contact the current Program Directors, who are identified on the program web page, for more information.

Requirements of the position include a Ph.D. degree in an appropriate field plus, after award of the Ph.D., at least six years 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 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 one of the following appointment options:

**Intergovernmental Personnel Act (IPA) Assignment:** 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. The individual remains an employee of the home institution and NSF provides the negotiated funding toward the assignee's salary and benefits. 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. IPA appointments may not be converted to continuing appointments at NSF. For additional information regarding IPA positions, please visit the NSF website at: <http://www.nsf.gov/careers/rotator/ipa.jsp>.

**Visiting Scientist Appointment:** Appointment to this position will be made under the Excepted Authority of the NSF Act. Visiting Scientists, Engineers or Educators 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 an additional year by mutual agreement. VSEE appointments may be convertible to permanent appointment at NSF. See <http://www.nsf.gov/careers/rotator/vsee.jsp> for additional information.

**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; they may be convertible to permanent appointments at NSF.

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/rotators/](http://www.nsf.gov/about/career_opps/rotators/) and <http://www.nsf.gov/careers/rotator/microsite/>.

Applications will be accepted from US Citizens. Recent changes in Federal Appropriations Law require Non-Citizens to meet certain eligibility criteria to be considered. Therefore, Non-Citizens must certify eligibility by signing and attaching this [Citizenship Affidavit](#) to their application. Non-citizens who do not provide the affidavit at the time of application will be considered for IPA only. We also ask that you complete and submit the [Applicant Survey Form](#). This will help NSF to ensure that our recruiting efforts

are attracting a diverse candidate pool; it will be used for statistical purposes only.

Applicants should indicate in their cover letter that they are applying to the DCSD program director position. Applications (a current CV accompanied by a cover letter highlighting the background pertinent to the position) should be submitted 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  
Email: [ghazelri@nsf.gov](mailto:ghazelri@nsf.gov)

Applications may also be submitted electronically to [ghazelri@nsf.gov](mailto:ghazelri@nsf.gov).

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A HIGHLY QUALIFIED STAFF THAT REFLECTS THE DIVERSITY OF OUR NATION.**