



National Science Foundation
4201 Wilson Boulevard
Arlington, Virginia 22230

CMMI 16-006

Dear Colleague Letter: Directorate for Engineering (ENG), Division of Civil, Mechanical and Manufacturing Innovation (CMMI), Service, Manufacturing and Operations Research (SMOR) Program-Employment Opportunity (Open Until Filled)

February 3, 2016

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 an open Program Director position in the Service, Manufacturing and Operations Research (SMOR) area.

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 1, 2016**.

Program Directors have an unparalleled opportunity and responsibility to ensure that the 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 the 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 SMOR program supports fundamental research leading to the creation of innovative mathematical models, analysis, and algorithms for decision-making related to design, planning, and operation of service, manufacturing, and other systems. Specifically, the program supports two main types of research: (i) innovations in general-purpose methodology related to optimization, stochastic modeling, and decision and game theory; and (ii) research grounded in relevant applications that require the development of novel and customized analytical and computational methodologies. Application areas of interest include supply chains and logistics; risk management; healthcare; environment; energy production and distribution; mechanism design and incentives; production planning, quality control; and national security. Of particular interest are methods that incorporate increasingly rich and diverse sources of data to support decision-making. Many projects supported by the program are multidisciplinary, involving research that spans NSF Directorates for Social, Behavioral and Economic Sciences; Computer and Information Science and Engineering; and Mathematical and Physical Sciences. It is expected that the incumbent will have experience of working both independently and in diverse, multidisciplinary teams.

Persons wishing to apply for this position are referred to the SMOR program web page, http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=505202&org=CMMI, for a description of the program. Interested 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 Ph.D. 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 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. These positions are eligible to convert to permanent NSF service.

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 IPA assignments are made for a one-year period and may be extended by mutual agreement to a maximum of four years total. These positions are ineligible to convert to permanent NSF service. 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/rotator/> and <http://www.nsf.gov/careers/>

Application Instructions: Applicants should indicate in their cover letter that they are applying to the SMOR program. Please submit your application via email to:

CMMI Program Director Search Committee
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