



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 **Control Systems (CSP)** Program at the National Science Foundation (NSF). Applications for this position will be accepted through December 15, 2006.

The Control Systems Program enables research and education in the prediction and control of complex systems, with broad applicability to civil and mechanical systems, and with the goal of innovative advances in control theory and control technology. Control theory refers to the mathematical framework to analyze, design, or validate control systems. Control technology refers to the integration of sensing, actuation, and computation, with physical or information systems to realize a working control system. The control technology component of the program considers also innovative advances in actuation concepts.

While disciplinary expertise will be expected, the focus of the search is to identify a scholarly, mentoring and open-minded person to join the present diverse and intellectually integrated CMMI team of Program Directors. NSF Program Directors are responsible for providing stewardship of integrated research and education both in a discipline and across disciplines within the context of agency vision, mission, and goals, and within the framework of guiding legislation and agency policies and resources. A PhD or equivalent professional experience in control theory and applications, a successful research and education career, and management expertise are essential. Appointees are expected to function both within specific program boundaries, as well as in a team mode, contributing to and coordinating with virtual organizations in the Directorate, across the Foundation, and with other Federal and State government agencies and private-sector organizations as necessary. Periodic appointments to leadership positions of inter-divisional, inter-directorate and interagency activities may be made.

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.

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):** Mobility Program 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 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](http://www.nsf.gov/about/career_opps).

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

Dr. Eduardo Misawa, Chair CSP Search Committee

ENG/CMMI, Room 545

National Science Foundation

Arlington, VA 22230

Or via e-mail to: [emisawa@nsf.gov](mailto:emisawa@nsf.gov)

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