



NATIONAL SCIENCE FOUNDATION
4201 WILSON BOULEVARD
ARLINGTON, VIRGINIA 22230

EEC 17-001

Dear Colleague Letter - Employment Opportunity for Engineering Education Program Director in the Division of Engineering Education and Centers (EEC), Directorate of Engineering (ENG) (Open Until Filled)

April 14, 2017

Dear Colleagues:

The Division of Engineering Education and Centers (EEC) in the Directorate for Engineering (ENG) is seeking a Program Director for the Engineering Education Cluster through a temporary ("rotator") appointment. The appointment will be made for one year, although it may be extended for additional years by mutual agreement.

Formal consideration of interested applicants will begin May 1, 2017 and will continue until a selection is made. The selected applicant is expected to start in late August or early September of 2017

NSF Program Directors bear the primary responsibility for carrying out the Foundation's overall mission to support innovative and merit-evaluated activities in fundamental research and education that contribute to the nation's technological strength, security and welfare. This responsibility requires knowledge in the appropriate disciplines along with: 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 Engineering Education Cluster supports the Professional Formation of Engineers (PFE) initiative, which refers to the formal and informal processes and value systems by which people become engineers. It also includes the ethical responsibility of practicing engineers to sustain and grow the profession in order to improve quality of life for all peoples. The engineering profession must be responsive to national priorities, grand challenges, and dynamic workforce needs; it must be equally open and accessible to all.

EEC supports research in engineering education by awarding grants through four major funding programs:

- Research in the Formation of Engineers - focuses on achieving systemic improvements by supporting research to: advance holistic engineering formation; diversify pathways to and through engineering; explore citizen engineering, credentialing, and expertise; develop engineering-specific theories of how engineers are formed; and understand how change in engineering formation processes travels, translates, transfers, diffuses, and/or scales.
- Research Initiation in Engineering Formation - seeks to support research in PFE and increase the community of investigators conducting PFE research by providing funding to support engineering faculty to develop expertise in engineering education research.
- REvolutionizing engineering and computer science Departments - convenes teams comprising a

department head or chair, an engineering education researcher, and a social scientist with expertise in department cultures to drive long-term systemic change at the department level as part of both the agency-wide IUSE initiative (Improving Undergraduate STEM Education) and the PFE initiative in engineering

- Faculty Early Career Development (CAREER) - recognizes exceptional junior faculty in the area of engineering education research and practice.

The Engineering Education Cluster also supports workshops, Early-concept Grants for Exploratory Research (EAGER) and supplements. Additionally, the EEC Engineering Education Program Director is active in cross-agency programs, such as: Cyberlearning for Future Technologies (CLFT) and Cultivating Cultures of Ethical STEM (CCE-STEM).

Persons wishing to apply for this position are referred to the EEC Divisional web page, <https://www.nsf.gov/div/index.jsp?div=eec>, for a description of the Division.

Qualifications of a successful candidate include a Ph.D. or equivalent professional experience in an engineering discipline, including engineering education, plus after the award of the Ph.D. six or more years of successful research, research administration, and/or managerial experience in academe, industry, or government. The appointee is expected to have knowledge of research in engineering education or related discipline-based education. Leadership experience in engineering education (departmental, college, university, societies, journals, etc.) is required. Demonstrated achievements in classroom teaching and student advising are important attributes for the successful applicant. Knowledge of the general scientific and engineering community and strong skills in written and oral communication are also desirable. The appointee is expected to function effectively as part of a team, contributing to and coordinating with offices throughout NSF and with other Federal and state government agencies and private sector organizations.

The position recruited under this announcement will be filled under the following appointment option:

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. 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.

For additional information on Intergovernmental Personnel Act assignments at NSF, please visit http://nsf.gov/about/career_opps/rotators/ipa.jsp.

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. 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.

NSF is relocating to Alexandria, Virginia. In late summer of 2017, NSF will begin the transition from its current location in Arlington, Virginia to 2415 Eisenhower Avenue, Alexandria, VA 22314. The new location is adjacent to a Metro station (Eisenhower Avenue on the Yellow Line) and there is ample parking in the area. There are several amenities nearby, such as restaurants, hotels, and shops.

Individuals interested in applying for this Program Director position should send a current CV, statement of interest, and the names and contact information of three references to:

Division of Engineering Education and Centers,
Suite 585 National Science Foundation
4201 Wilson Blvd., Arlington, VA 22230
Phone: 703-292-8380
Attn: Marshall Horner, Operations Specialist
Email: mhorner@nsf.gov

Although paper applications will be accepted at the above address, it is preferred that they be received electronically. Please send electronic submissions to mhorner@nsf.gov.

**NSF IS AN EQUAL OPPORTUNITY EMPLOYER COMMITTED TO EMPLOYING
A HIGHLY QUALIFIED STAFF THAT REFLECTS THE DIVERSITY OF OUR NATION.**