



National Science Foundation
4201 Wilson Boulevard
Arlington, Virginia 22230

TITLE: The Division of Electrical, Communications and Cyber Systems (ECCS) - Employment Opportunities for a Program Director Position

DATE: December 16, 2009

Dear Colleague:

The Division of Electrical, Communications and Cyber Systems (ECCS), within the Directorate for Engineering at the National Science Foundation, announces a nationwide search for senior-level engineering researcher to fill an open Program Director position in the Electronics, Photonics, and Device Technology (EPDT) area. The successful candidate will possess broad and demonstrated experience to address emerging research areas in electronic and photonic devices and related technologies, including passive and active photonic devices and integrated photonic device platforms. Examples include silicon photonics, novel lasers, photo detectors, heterogeneous integration, and devices for optical signal processing, sensing and communications. Experience in device design, fabrication and integration at the micro and nano-scale is highly desired.

The desired starting timeframe for the position is in the early spring 2010.

The ECCS Division addresses fundamental research issues underlying component and device technologies, power and energy, controls, computation, networks, communications and cyber technologies, and supports the integration and networking of complex intelligent systems principles at the nano, micro, and macro scales for a variety of application domains in healthcare, energy, communications, critical infrastructures, environment, homeland security, transportation, and manufacturing.

The Division is organized around three broad programs: Electronics, Photonics and Device Technologies (EPDT); Power, Controls and Adaptive Networks (PCAN); and Integrative, Hybrid and Complex Systems (IHCS). The management of these programs involves a team approach by Program Directors within the Division to reflect the increasing convergence of disciplinary topics and the need for interdisciplinary approaches to new problem areas. ECCS has a continuing goal to integrate education into all of its program activities. For further information, please visit the ECCS web site at <http://www.nsf.gov/div/index.jsp?org=ECCS>.

NSF Program Directors have the primary responsibility for carrying out the Agency'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

requires expertise in appropriate disciplines to implement the proposal review and evaluation process for the program, as well as strong skills in written and oral communication, a commitment to high standards, considerable breadth of interest and receptivity to new ideas, strong sense of fairness, good judgment, and a high degree of personal integrity. The position provides a challenging experience and an excellent opportunity to encourage and support engineering research and education. The individual will work with other Program Directors in formulating research strategies, developing collaboration and cooperation across the Foundation and among government, academe and industry, fostering outreach to underrepresented groups, and providing leadership within NSF and the research community.

Qualification requirements for the position are a Ph.D. or equivalent professional experience in the relevant discipline in engineering or science, plus six or more years of successful research, research administration and/or managerial experience in academe, industry, or government. The candidate must demonstrate vision and leadership to identify and support long-term research and education that contributes to the mission of the Division and NSF.

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

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.

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 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 institution or to the carrier. Appointments are usually made for a one-year period and may be extended for an additional year by mutual agreement.

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.

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/.

Should you or your colleagues be interested in this position, or wish to nominate suitable candidates, please contact the search committee coordinator, Dr. Pradeep Fulay (pfulay@nsf.gov), and forward a curriculum vita to him by January 29, 2010. Formal consideration of applications will begin after the closing date and the position will remain open

until filled. Inquiries, applications, and nominations for this Program Director position should be directed to:

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