



**National Science Foundation**  
**4201 Wilson Boulevard**  
**Arlington, Virginia 22230**

**ECCS 13-004**

## **Dear Colleague Letter: Division of Electrical, Communications and Cyber Systems (ECCS) - Employment Opportunities for a Program Director Position**

Date: July 18, 2013

Dear Colleagues:

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 Communications, Circuits, and Sensing Systems (CCSS) area.

Formal consideration of interested applications will begin **August 1, 2013** and will continue until a selection is made. The division is looking to fill this position during the summer timeframe.

The ECCS Division addresses fundamental research issues underlying component and device technologies, energy and power research, including smart grid, 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 Magnetic Device Technologies (EPMD); Energy, Power, and Adaptive Systems (EPAS); and Communications, Circuits, and Sensing Systems (CCSS). For further information, please visit the ECCS web site at <http://www.nsf.gov/div/index.jsp?org=ECCS>.

The successful candidate will possess **broad and demonstrated experience to address emerging research areas** in Micro, Nano, & Bio Systems, MEMS/NEMS Systems-on-a-Chip, Sensors, Actuators, & Electronic Interfaces, Diagnostic & Implantable Systems, Chemical, Biological, & Physical Diagnostics, Environmental Sensing & Monitoring, Infrastructure Monitoring, Micro Power & Energy Scavenging, System-Level Fabrication, Packaging, & Assembly.

Qualification requirements for the position are a Ph.D. in the relevant discipline in engineering or science plus after award of the Ph.D., 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. 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.

Applications will be accepted from US Citizens and Non-Citizens.

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.

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/).

Applicants should indicate in their cover letter that they are applying to the CS Position. Please submit your application to:

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Acting Division Director  
Division of Electrical, Communications and Cyber Systems (ECCS)  
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