National Science Foundation
4201 Wilson Boulevard
Arlington, Virginia 22230

ECCS 14-003

Dear Colleague Letter: Division of Electrical, Communications and Cyber Systems (ECCS), Communications, Circuits, and Sensing Systems (CCSS), Employment Opportunity for a Program Director (Open Until Filled)

April 21, 2014

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 a 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 May 1, 2014 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** Low Power, Low Noise, High Efficiency Communications, Sensing and Imaging Systems, RF/Microwave and mm-Wave Circuits for Imaging and Sensing Systems, Inter- and Intra-Chip Communications and Networking, Wireless Integrated Sensors, Submillimeter-Wave/Terahertz (THz) Imaging and Sensing Systems, Integrated Circuit Design (Fault Tolerant, Self-Test and Repair, Stochastic Design), Mixed Signal Circuits and Systems, Interconnects and Packaging Techniques.

Qualification requirements for the position are a Ph.D. in an appropriate field 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 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. Non-citizens who do not provide the affidavit at the time of application will be considered as an IPA only.

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/.

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

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