



National Science Foundation
4201 Wilson Boulevard
Arlington, Virginia 22230

ECCS 16-002

Dear Colleague Letter: Division Director, Division of Electrical, Communications and Cyber Systems (ECCS) (Open Until Filled)

January 5, 2016

Dear Colleague:

The Directorate for Engineering (ENG) announces a nationwide search to fill the position of Division Director, Division of Electrical, Communications and Cyber Systems (ECCS) through an assignment under the Intergovernmental Personnel Act (IPA). **(Open until filled).**

The [ECCS Division](#) at NSF has a total annual budget of approximately \$115 million. The Division supports research and education that expands the knowledge base of underlying device and component technologies in electronics, magnetics, optics and photonics, power, controls, computation, sensors, networking, communications and cyber technologies. ECCS also supports integration and networking of intelligent systems at the nano, micro and macro scales for a variety of applications in healthcare, homeland security, disaster mitigation, renewable energy, power systems, telecommunications, environment, transportation, manufacturing, and other systems-related areas. ECCS envisions a research community that will address major technological challenges for the next generation of devices and systems due to convergence of technologies and increased emphasis on interdisciplinary research. ECCS integrates education into its research programs to ensure the preparation of a diverse workforce for the 21st century that can enable innovative advances in emerging technologies as drivers of the global economy.

The ECCS Division Director leads a team of program directors and administrative professionals in formulating and managing a broad portfolio of investments in the research and education in electrical, communications and cyber systems. The incumbent has managerial and oversight responsibilities for the effective use of division staff and resources in meeting organizational goals and objectives. The incumbent is expected to (1) direct the activities of the ECCS Division; (2) contribute to Engineering Senior Management Team activities; (3) assess the needs and trends in research and education related to the Division's programs; (4) implement overall strategic planning and policy setting; (5) supervise and provide leadership and guidance to senior executive level ECCS staff, program officers, administrative and support personnel; (6) determine funding requirements, prepare and justify budget estimates, balance program needs, and allocate resources; (7) oversee the evaluation of proposals and recommendations for awards and declinations; (8) represent NSF to relevant external groups; and (9) foster partnerships with other divisions, directorates, Federal agencies, scientific organizations and the academic community.

The successful candidate will possess an established record of significant achievement in research, administration, and increasing leadership responsibility in academe, industry or government. Additionally, the Division Director must be experienced and competent in technical, financial and administrative management. The incumbent must work well with people, be an effective communicator, and be committed to continuously develop the diversity of talents and skills of the team.

The Qualification Requirements of the position are listed below:

EXECUTIVE/MANAGERIAL REQUIREMENTS

1. **Leading Change.** Demonstrated ability to bring about strategic change, both within and outside the organization, to meet organizational goals. Includes the ability to establish an organizational vision and to implement it in a continuously changing environment.
2. **Leading People.** Demonstrated ability to lead people toward meeting the organization's vision, mission, and goals. Includes the ability to provide an inclusive workplace that fosters the development of others, facilitates cooperation and teamwork, and supports constructive resolution of conflicts.
3. **Results-Driven Leadership.** Demonstrated ability to meet organizational goals and customer expectations. Includes the ability to make decisions that produce high-quality results by applying technical knowledge, analyzing problems, and calculating risks.
4. **Business Acumen.** Demonstrated ability to manage human, financial, and information resources strategically.
5. **Building Coalitions.** Demonstrated ability to build coalitions internally and with other Federal agencies, State and local governments, nonprofit and private sector organizations, foreign governments, or international organizations to achieve common goals.

PROFESSIONAL/TECHNICAL REQUIREMENTS

1. Ph.D. or equivalent professional experience or a combination of education and equivalent experience in electrical and computer engineering or a closely related field in engineering or physical sciences.
2. Substantial research contributions and strong evidence of scholarship in areas related to research of electrical, communications and cyber systems as evidenced in publications, innovative leadership in research administration, and/or professional leadership and awards in these technical areas.
3. Skill in changing and balancing complex and diverse program demands and available resources in response to major advances or changing needs of science and engineering research and technology, and demonstrated ability to exercise sound professional judgment in recommending the initiation of research in the field of engineering.
4. Broad understanding of universities and other institutions where research and education in science and engineering is conducted. Knowledge of grant administration and fiscal management with experience in engineering research support.

Intergovernmental Personnel Act (IPA) Assignment: This position will be filled under provisions of the Intergovernmental Personnel Act (IPA). 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 of 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 funding toward the assignee's salary and benefits. Further information regarding IPA positions is available at http://www.nsf.gov/about/career_opps/rotators/ipa.jsp.

Application Instructions: Please submit a current CV accompanied by a cover letter or supplemental

statement that addresses the qualification requirements of the position. Applications should be transmitted electronically to

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Search Committee Chair
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