



National Science Foundation  
4201 Wilson Boulevard  
Arlington, Virginia 22230

January 31, 2008

Dear Colleague:

The Directorate for Engineering (ENG) announces a nationwide search to fill the position of Director for the Electrical, Communications and Cyber Systems Division (ECCS) within the Engineering (ENG) Directorate. **ENG will conduct an active search from January 31, 2008 – March 11, 2008**

The Division Director for Electrical, Communications and Cyber Systems (ECCS) leads a team of Program Directors in managing a broad portfolio of investments in electrical, communication and cyber systems research and education. Together, they position and advocate program activities within the context of NSF's strategic plan and manage resources effectively to nurture emerging opportunities as well as ongoing efforts. They work proactively across NSF and in partnership with other Federal and State agencies, industry, private foundations and the academic community. The position represents a challenging opportunity to provide intellectual leadership and to effect constructive change.

The Division of ECCS is responsible for programs with a total annual budget of approximately \$84 million. ECCS addresses fundamental research issues underlying device and component technologies, power, controls, computation, networking, communications and cyber technologies. ECCS supports integration and networking of intelligent systems at the nano, micro and macro scales for a variety of application domains in healthcare, homeland security, disaster mitigation, energy, 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 to achieve the goals of the American Competitiveness Initiative. ECCS will integrate 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.

ECCS is organized around three programs that will focus on research and educational issues of device and component technologies, network and computational technologies, and systems engineering: (1) Electronics, Photonics and Device Technologies (EPDT); (2) Power, Controls and Adaptive Networks (PCAN); and (3) Integrative, Hybrid and Complex Systems (IHCS).

In general, 70 percent of the ECCS portfolio is available for new research grants; the remaining 30 percent funds continuing grants made in prior years.

Most Division Directors in the Engineering Directorate come to their positions with an established record of significant achievement in research and education and increasing leadership responsibility in academe, industry or government. In addition to having a strong record of research and education accomplishments within their technical communities, Division Directors must be experienced and competent in technical, financial and administrative management. They must work well with people, be effective communicators, and act as mentors to continuously develop the diversity of talents and skills of their colleagues at all levels. We are particularly interested in attracting qualified women and underrepresented minority candidates to these positions.

I am enclosing a copy of the position announcement, which includes information about appointment options as well as qualification requirements and application procedures. The announcement may also be accessed electronically at [http://www.nsf.gov/about/career\\_opps/vacancies/executive.jsp](http://www.nsf.gov/about/career_opps/vacancies/executive.jsp). NSF Division of Human Resource Management (HRM) is assisting me in this outreach. Hugh Sullivan ([hsulliva@nsf.gov](mailto:hsulliva@nsf.gov); 703-292-4376) is the point of contact in the HRM Division. Hearing impaired applicants may call NSF's TDD line at 703-292-8044. Dr. Judy Raper, Director, Division of Chemical, Bioengineering, Environmental and Transport Systems, is chairing the search committee and can be reached at 703-292-5382 or by email at [jraper@nsf.gov](mailto:jraper@nsf.gov). The application deadline is March 11, 2008.

Sincerely,

Richard O. Buckius  
Director  
Directorate for Engineering