NATIONAL SCIENCE FOUNDATION
2415 EISENHOWER AVENUE
ALEXANDRIA, VIRGINIA 22314

NSF 18-099

Dear Colleague Letter: Announcing a Core Program within the Division of Computing and Communication Foundations

August 9, 2018

Dear Colleagues:

The Directorate for Computer and Information Science and Engineering (CISE) is notifying members of the research community about the addition of a core program, called Foundations of Emerging Technologies (FET), within its Division of Computing and Communication Foundations (CCF).

FET aims to enable radical innovations across all areas traditionally supported by CCF, through research in emerging computing and communication paradigms at the intersection of computing and biological systems, nanoscale science and engineering, quantum information science, and other nascent, yet promising, areas. The FET program welcomes research in the theory, algorithms, software, hardware, and architecture of such emerging computing and communication systems.

A unique aspect of the FET program is that interdisciplinary collaborations between computer and information scientists and engineers as well as those in various other fields such as biology, chemistry, engineering, mathematics, and physics are highly encouraged, with the fundamental aim of pursuing foundational breakthroughs in computer and information science and engineering.

If you have questions about the FET Core Program, please contact:

- Mitra Basu, Program Director, CISE/CCF; and/or
- Dmitry Maslov, Program Director, CISE/CCF.

The FET core program joins the existing three core programs within CCF: Algorithmic Foundations (AF), Communications and Information Foundations (CIF), and Software Hardware Foundations (SHF). Research in quantum computing and computational biology, formerly considered across these three core programs, is now addressed by the FET

program. More information about the FET and other CCF core programs, along with proposal submission guidelines, can be found in the CCF Core Programs solicitation NSF 18-568.

Sincerely,

Erwin Gianchandani
Acting Assistant Director, CISE