



National Science Foundation
4201 Wilson Boulevard
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NSF 13-059

Dear Colleague Letter: Strategic Technology for CyberInfrastructure (STCI)

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NSF's Cyberinfrastructure for 21st Century Science and Engineering (see <http://www.nsf.gov/od/oci/cif21/CIF21Vision2012current.pdf>) will provide a comprehensive, integrated, sustainable, and secure cyberinfrastructure to accelerate research and education and new functional capabilities in computational and data-intensive science and engineering, thereby transforming our ability to effectively address and solve the many complex problems facing science and society.

NSF supports comprehensive and unified cyberinfrastructure to address the dynamic needs of diverse communities in a systematic and strategic way. While NSF already provides support for some integrative cyberinfrastructure projects, the Division of Advanced Cyberinfrastructure (formerly known as the Office of Cyberinfrastructure), is particularly interested in projects which model new types of connections between campus level cyberinfrastructure and nationally supported cyberinfrastructure. A non-exhaustive list of cyberinfrastructure components and systems supported wholly or partially by NSF is provided via the following link: http://www.nsf.gov/od/oci/cif21/cybinf_list.jsp. Innovative proposals for broadly applicable collaborations among campuses or for effectively building from campus infrastructures to ongoing instrument, domain specific, or shared cyberinfrastructure projects are encouraged. Projects based on campus networking infrastructure and development activities should first consider NSF's CC-NIE program (see http://www.nsf.gov/publications/pub_summ.jsp?ods_key=nsf13530).

We encourage submission of proposals to the Strategic Technology for Cyberinfrastructure (STCI) Program ([PD 11-7684](#)) for novel pilot projects presenting and evaluating experimental services to scientists and engineers, which effectively and efficiently extend the reach of campus level researchers and educators beyond local capabilities. Such projects should be directly and broadly applicable to other campus environments, demonstrating qualitative and quantitative advances to commonly available campus cyberinfrastructure. Innovative projects enabling scientific and engineering advances, which combine campus level cyberinfrastructure with national cyberinfrastructure in ways not previously envisioned are encouraged. This is not a new program.

Proposals should be submitted in accordance with guidance found on the STCI program description page at http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=503475. Subject to availability of funds and quality of proposals, up to \$2M will be made available for this activity in fiscal year 2013. Typical award size is expected to be no more than \$500k. Consistent with STCI program guidance, investigators interested in submitting proposals are strongly encouraged to contact the program directors below. This contact should occur prior to May 1, 2013. Additional information about the STCI Program can be found at http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=503475.

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Signed,

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(formerly, the Office of Cyberinfrastructure)