

NSF - NIST INTERACTION IN CHEMISTRY AND CHEMICAL ENGINEERING

Program Announcement

Directorate for Mathematical & Physical Sciences
Division of Chemistry



NATIONAL SCIENCE FOUNDATION

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The Memorandum of Understanding (MOU) between the National Science Foundation (NSF) and the National Institute of Standards and Technology (NIST), negotiated to enhance the coordination of research programs between the two agencies, has as one purpose facilitation of interactions between the Chemical Science and Technology Laboratory (CSTL) of NIST and the Divisions of Chemistry (CHE) and Chemical & Transport Systems (CTS) of NSF.

Chemistry and chemical engineering at NIST are centralized in the CSTL, one of eight technical operating units within NIST. CSTL serves as the Nation's reference laboratory for chemical science and engineering; performs research in measurement science; develops and maintains measurement methods, standards, and reference data; develops models for chemical and physical properties and processes; and provides the enabling infrastructure technology to enhance U.S. industry's productivity and competitiveness, assure equity in trade, and improve public health, safety and environmental quality. As part of its mission, CSTL maintains close ties to U.S. industry, particularly the chemical industry. CSTL operates well equipped, state-of-the-art laboratories in Gaithersburg, Maryland and Boulder, Colorado.

The Chemistry and Chemical & Transport Systems Divisions of NSF provide funding for fundamental research in a broad range of areas that are important to chemistry and the process industries. These industries have historically maintained interactions with academic institutions that have proven to be beneficial to both parties. In addition to basic research the NSF Mission includes programs to strengthen the Nation's scientific and engineering research potential via education and investments in enabling facilities and infrastructure.

The purpose of the NSF-NIST Interaction in Chemistry and Chemical Engineering is to provide the opportunity for faculty and graduate students who are supported on NSF grants to participate in research at NIST facilities. Conditions for participating are outlined below.

- The research area must be of interest to both NIST and NSF.
- The work proposed at NIST must be directly related to an NSF grant and have the potential for enhancing the quality or scope of the project.
- Participant Support (Grant Proposal Guide, NSF 95-27; II.D.7.e.) for per diem and travel expenses associated with work at NIST can be requested as a supplement to an existing NSF grant.

Principal investigators interested in this program should contact the NSF Project Director for their grant before submitting a supplemental proposal.

<http://www.nsf.gov/chem>; <http://www.eng.nsf.gov/cts>

Catalog of Federal Domestic Assistance Number 47.041, Engineering; 47.049, Mathematical and Physical Sciences.

The Foundation provides awards for research and education in the sciences and engineering. The awardee is wholly responsible for the conduct of such research and preparation of the results for publication. The Foundation, therefore, does not assume responsibility for the research findings or their interpretation.

The Foundation welcomes proposals from all qualified scientists and engineers and strongly encourages women, minorities, and persons with disabilities to compete fully in any of the research and education related programs described here. In accordance with federal statutes, regulations, and NSF policies, no person on grounds of race, color, age, sex, national origin, or disability shall be excluded from participation in, be denied the benefits of, or be subject to discrimination under any program or activity receiving financial assistance from the National Science Foundation.

Facilitation Awards for Scientists and Engineers with Disabilities (FASSED) provide funding for special assistance or equipment to enable persons with disabilities (investigators and other staff, including student research assistants) to work on NSF projects. See the program announcement or contact the program coordinator at (703) 306-1636.

Privacy Act. The information requested on proposal forms is solicited under the authority of the National Science Foundation Act of 1950, as amended. It will be used in connection with the selection of qualified proposals and may be disclosed to qualified reviewers and staff assistants as part of the review process; to applicant institutions/grantees; to provide or obtain data regarding the application review process, award decisions, or the administration of awards; to government contractors, experts, volunteers, and researchers as necessary to complete assigned work; and to other government agencies in order to coordinate programs. See Systems of Records, NSF 50, Principal Investigators/Proposal File and Associated Records, and NSF-51, 60 Federal Register 4449 (January 23, 1995). Reviewer/Proposal File and Associated Records, 59 Federal Register 8031 (February 17, 1994).

Public Burden. Submission of the information is voluntary. Failure to provide full and complete information, however, may reduce the possibility of your receiving an award.

The public reporting burden for this collection of information is estimated to average 120 hours per response, including the time for reviewing instructions. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Gail A. McHenry, Reports Clearance Officer, Information Dissemina-

tion Branch, National Science Foundation, 4201 Wilson Boulevard, Suite 245, Arlington, VA 22230.

The National Science Foundation has TDD (Telephonic Device for the Deaf) capability, which enables individuals with hearing impairment to communicate with the Foundation about NSF programs, employment, or general information. To access NSF TDD, dial (703) 306-0090; for FIRS, 1-800-877-8339.

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