

Grant Title: RESEARCH EXPERIENCES FOR TEACHERS (RET) IN ENGINEERING AND COMPUTER SCIENCE

Funding Opportunity Number: NSF 11-509. CFDA Number(s): 47.041.

Agency/Department: National Science Foundation, Directorate for Engineering Engineering Education and Centers, Directorate for Computer & Information Science & Engineering.

Area of Research: Engineering research to bring knowledge of engineering and technological innovation into classrooms.

Release and Expiration: Release date: December 1, 2010.

Application Deadline: February 28, 2011; October 03, 2011. First Monday in October, annually thereafter.

Amount: The maximum total request for a Site is \$500,000. Supplements are limited to a maximum of \$10,000 per teacher. Expected Number of Awards: 8.

Length of Support: Site Awards: Up to three years. Supplements: One year.

Eligible Applicants: Universities and colleges. See the full announcement for a complete list of eligible applicants.

Summary: The Directorate for Engineering (ENG) and the Directorate for Computer and Information Science and Engineering (CISE), Research Experiences for Teachers (RET) in Engineering and Computer Science program supports the active involvement of K-12 science, technology, engineering, computer and information science, and mathematics (STEM) teachers and community college faculty in engineering and computer science research in order to bring knowledge of engineering, computer science, and technological innovation into their classrooms. The goal is to help build long-term collaborative partnerships between K-12 STEM teachers, community college faculty, and the NSF university research community by involving the teachers and community college faculty in engineering and computer science research and helping them translate their research experiences and new knowledge into classroom activities. Partnerships with inner city schools or other high needs schools are especially encouraged, as is participation by underrepresented minorities, women, and persons with disabilities. This announcement features two mechanisms for support of in-service and pre-service K-12 STEM teachers and community college faculty: RET supplements to ongoing ENG or CISE awards and new RET Site awards. RET supplements may be included in proposals for new or renewed NSF Directorate for Engineering (ENG) or CISE grants or as supplements to ongoing NSF ENG or CISE funded projects. RET in Engineering and Computer Science Sites are based on independent proposals from engineering or computer and information science departments, schools or colleges to initiate and conduct research participation projects for a number of K-12 STEM teachers and/or community college faculty.

Detailed Information:

http://www.nsf.gov/pubs/2011/nsf11509/nsf11509.htm?WT.mc_id=USNSF_25&WT.mc_ev=click