EMP Job Postings

PREP Opening at the National Advanced Spectrum and Communications Test Network

NIST Overview:
The National Institute of Standards and Technology (NIST) is a non-regulatory federal agency within the Commerce Department's Technology Administration. NIST's primary mission is to promote U.S. innovation and industrial competitiveness by advancing measurement science, standards, and technology in ways that enhance economic security and improve our quality of life. Its vision is to be the world's leader in creating critical measurement solutions and promoting equitable standards. NIST's Communications Technology Laboratory (CTL) conducts basic and applied research in wireless communications.

Professional Research Experience Program (PREP) Description:
The Professional Research Experience Program (PREP) is designed to provide valuable laboratory experience and financial assistance (https://inet.nist.gov/nbd/services/boulder-prep). Fellowships are awarded to assure the continued growth and progress of science and engineering in the United States including the encouragement of women and minority students to continue their professional development.

Graduate PREP fellowships are granted to students in master's and doctoral degree programs whose interests closely matches research performed at NIST. Graduate fellowships are awarded to sponsor the student through graduation, but may not exceed six years. Each graduate fellowship will be reviewed annually to confirm that the student is making progress toward a degree. The underlying assumptions of the graduate program are that: (1) the students would be strong candidates for permanent positions with NIST, and (2) the students' thesis or interests would be compatible with NIST programs. Graduate fellowships include yearly tuition assistance, fees, and insurance, plus a predetermined salary comparable to that of a Research Assistant position in the student's department at the university. In most cases, students will be expected to work full time when they are not attending classes.

PREP Opening at the National Advanced Spectrum and Communications Test Network:
The National Advanced Spectrum and Communications Test Network (NASCTN) provides a neutral forum for addressing spectrum-sharing challenges to accelerate the deployment of wireless technologies among commercial and federal users. NASCTN was created in 2015 and is a joint effort among the National Institute of Standards and Technology (NIST), the National Telecommunications and Information Administration (NTIA) (link is external) and the United States Department of Defense (DOD) (link is external). NASCTN's mission is to provide robust test processes and validated measurement data necessary to develop, evaluate and deploy spectrum sharing technologies that can increase access to the spectrum by both Federal agencies and non-federal spectrum users.

This position will serve as an assistant to the project manager of spectrum-sharing projects administered by the National Advanced Spectrum and Communications Test Network (NASCTN). The PREP awardee will work with other professional project managers to develop, drive and track project plans, and coordination of test facilities and engineering resources.
The ideal candidate will have an electrical engineering or similar background, will be expected to participate in wireless communications technical discussions, will exhibit initiative to learn new areas such as LTE, and be a team player.

**Keywords:** Wireless communications, electrical engineering and engineering management.

Due to the nature of NASCTN’s work, it is advantageous for the assistant project manager under this PREP opening to be U.S. citizen and suitable for Federal Employment.

**Application Process:**
Please provide a resume, cover letter, and two references by June 30th to Dr. Sheryl M. Genco (sheryl.genco@nlist.gov).