

Hopkins NIST PREP Consortium

Employment Opportunity

National Institute for Standards and Technology - Professional Research Experience Program Opportunity	<p align="center"> NIST-G Communications Technology Lab WIRELESS NETWORKS RESEARCH ASSISTANT </p>
Opportunity Description	<p>The Communications Technology Laboratory (CTL) in Gaithersburg, MD is seeking a software defined radio (SDR) engineer. The Wireless Networks Division (WND) is looking for a motivated engineer to join our team of researchers to perform applied research in wireless communication systems and protocols to solve challenging problems in the area of public safety communications, Long Term Evolution (LTE), and 5G. As a member of the WND team, the candidate will be responsible for the setup, operation, testing, and maintenance of the software defined radio testbed used to evaluate performance of wireless communication systems. Working in collaboration with other researchers, the selected candidate will design and conduct experiments, be responsible for coding, implementation, and testing of custom code to support new features and capabilities not available on existing platforms. Will also be responsible for collecting data and documenting results according to the federal open data policy.</p>
Qualifications	<ul style="list-style-type: none"> • B.S. in Electrical Engineering, Computer Engineering, or other relevant technical discipline • 2+ years embedded programming experience (C/C++) • Experience programming PC, Linux, and real-time embedded systems • Experience programming Software Defined Radios (SDR) • Experience with RF test and measurement equipment (e.g., spectrum analyzer, vector signal analyzer) • Strong personal communication skills • Strong problem-solving skills
Relevant Fields of Study	<p>Preferred fields of study include Electrical Engineering, Computer Engineering, or other relevant technical discipline</p>
Hours	<p>Full-time</p>
Primary Location	<p>NIST Gaithersburg, MD</p>
Salary	<p>Commensurate with Experience</p>
To apply	<p>https://cgpo.jhu.edu/nist-prep/</p>