

# Hopkins NIST PREP Consortium

## Employment Opportunity

<b>National Institute for Standards and Technology - Professional Research Experience Program Opportunity</b>	<p align="center"><b>NIST-G Communications Technology Lab</b></p> <p align="center"><b>WIRELESS NETWORKS RESEARCH ASSOCIATE</b></p>
<b>Opportunity Description</b>	<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>
<b>Qualifications</b>	<ul style="list-style-type: none"> <li>• M.S. in Electrical or Computer Engineering</li> <li>• Experience with digital signal processing (DSP) algorithms</li> <li>• Experience configuring/customizing Linux based operating systems</li> <li>• Experience configuring channel emulators</li> <li>• Experience with the Open Air Interface software</li> <li>• Working knowledge of wireless technologies like Long Term Evolution (LTE) and 802.11</li> <li>• Knowledge of the GNU Radio platform</li> <li>• Knowledge of Universal Software Radio Peripheral (USRP) radio and USRP hardware driver (UHD)</li> </ul>
<b>Relevant Fields of Study</b>	<p>Preferred fields of study include Electrical Engineering, Computer Engineering, or other relevant technical discipline</p>
<b>Hours</b>	<p>Full-time</p>
<b>Primary Location</b>	<p>NIST Gaithersburg, MD</p>
<b>Salary</b>	<p>Commensurate with Experience</p>
<b>To apply</b>	<p><a href="https://cgpo.jhu.edu/nist-prep/">https://cgpo.jhu.edu/nist-prep/</a></p>