

Ehsan Aryafar is an Assistant Professor of Computer Science at Portland State University. Prior to that and from 2013 to 2017, he was a Research Scientist at Intel Labs in Santa Clara, CA working on 5G/5G+ wireless technologies. He received the M.S. and Ph.D. degrees in Electrical and Computer Engineering from Rice University, Houston, Texas, in 2007 and 2011, respectively. From 2011 to 2013, he was a Post-Doctoral Research Associate in the Department of Electrical Engineering at Princeton University. He has extensive experience in software-defined radios and managing large projects that use software-defined radios. In his PhD thesis at Rice University, he designed and built the first multi-user beamforming wireless LAN platform, a key performance feature that is now provided by 802.11ac. His current research focuses on implementing mmWave blockage mitigation protocols on programmable mmWave radios. For additional information, please refer to:

<http://web.cecs.pdx.edu/~aryafare/>

Eligibility:

- 1) The applicant is a University Professor at a University that is ABET accredited
- 2) The experiment location will be confined to our laboratory, which is located at the basement of the computer science building
- 3) The applicant is managing a large set of projects. Information about these projects are provided in the above project link
- 4) The applicant has extensive prior experience in managing and monitoring spectrum. He has several publications in top-tier wireless networking conference and journals, where he has implemented his algorithms on software-defined radios. In addition, we are partnering with National Instruments for our 5G mmWave experiments.