

Name: Mostafa Uddin

Summary of Research Interest: My Research interest spans in various areas of Mobile Computing and Wireless Network. Currently, I am focused on developing the wireless communication of the smart phones. I am exploiting multiple wireless interface like WiFi, Bluetooth, Acoustic (mic/speaker), etc of the Smart Phone to improve the overall throughput, fairness and energy efficiency of the wireless communication. Besides I am also interested in developing high accuracy indoor localization system utilizing different modalities of the user's Smart Phone. Utilize the sensing capabilities of the smart devices to develop smart home and smart health applications is my another area of interest. Recently I am also got involved with analyzing and visualizing large scale mobile sensing or cellular network data (e.g Nokia Mobile Data Challenge 2012, D4D challenge).

Impact of Attending PerCom'13: IEEE PerCom is a top conference in the area of pervasive computing and communication. Each year, researchers from all over the world gather in PerCom conference for their common interest in pervasive computing and communication research. This year, for the first time, I am presenting a full paper in the PerCom'13 conference, on high accuracy ranging scheme for smart devices. I believe, PerCom conference will be a perfect venue for me to have useful feedback on my research work. Besides, I am specially interested to see, what other researchers are working in the area of intelligent wireless communication, localization, and sensing applications for the smart devices.

Student Status: Full-time PhD Student (2nd year)

Attending From: I will attend the conference from Old Dominion University, Norfolk, VA, USA.