

Title: Scatterer Modeling @ Mmwave Band in High-Speed Railway Scenarios

Abstract: Mmwave communication has been regarded as one of key technology in 5G. FCC has allocated 28 GHz, 37/39 GHz and 64-71 GHz frequencies as licensed or unlicensed bands for 5G mobile radio services (MRS). As is known, the sensitivity of mmWave links to blockage is due to their weak diffraction characteristics and the scatterers in real physical scenarios are usually neglected. In this talk, we will discuss about the scatterer modeling for wireless channel at mmwave band in high-speed railway scenarios, which is of great importance to the precise channel modeling in rail traffic scenarios.