Abstract

Mobility in WiMAX system is one of the most important problems in computer networks, especially when a mobile station (MS) tours and be handovered from one base station (BS) to another, Mobile WiMAX is a broadband system that is capable of delivering services such as voice, data and video. In this paper, fast and simple scheme of handover (HO) in Mobile WiMAX network will be presented using pathloss, received signal strength, angles of divergence which leads to better and fast HO scenarios. Simulation studies show low latency in the handover, better throughput and less packet loss ratio during the HO process.

References


Index Terms

Computer Science Wireless
Keywords

Handover, Mobile WiMAX, Distance Estimation, Lookahead, Angle of Divergence.