

## Abstract Details

**Title:** Analysis of Soft Handover in WiMAX Ubiquitous Connectivity Using Monitoring Station

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**Abstract:** WiMAX stands for the Worldwide Interoperability for Microwave Access and is also known as the IEEE 802.16 wireless metropolitan area network. Along with the development of mobile communication and broadband technology, WiMAX has become a hot spot for global telecom operators and manufacturers. We have proposed a technique to select a mobile base station for potential soft handover in WiMAX. This paper develops a base station selection procedure that will optimize the soft handover such that there is no data loss; handover decision is taken quickly and thus improving overall handover performance.

**Keywords:** WiMAX, Handover, Soft handover, monitoring station.