A Systematic Investigation of WiMAX and its Standards, Development, Technology and Security

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Abstract

WiMAX is an emerging new technology that offers opportunities to telecom operators for enhanced broadband coverage and service offering. The broadband wireless Technologies is based on IEEE 802.16. It is known as WiMAX (Worldwide Interoperability for Microwave Access). Broadband wireless access (BWA) is the hottest technology aims to deliver high data rate over the large distance and offer multimedia services in metropolitan areas with a simpler installation and low cost compared to the wired network. WiMAX is nascent in the field of communication, operates in MAC and physical layer. Nowadays, usages of the mobile Internet have grown rapidly and required very high-speed access to internet application. In this paper, we discuss on 802.16 standards and its evolution with related issues.

References

8.  Web Site: https://www.tutorialspoint.com/ WiMAX/index.html

Index Terms  
Computer Science  
Security
Keywords

Mobile WiMAX, Fixed WiMAX, IEEE 802.16, Security, Mobile Station, Base Station