

## Performance Evaluation of Packet Scheduling with Channel Conditioning Aware Based on Wimax Networks

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**Abstract :** Worldwide Interoperability for Microwave Access (WiMAX) became one of the most challenging issues, since it was responsible for distributing available resources of the network among all users this led to the demand of constructing and designing high efficient scheduling algorithms in order to improve the network utilization, to increase the network throughput, and to minimize the end-to-end delay. In this study, the proposed algorithm focuses on an efficient mechanism to serve non-real time traffic in congested networks by considering channel status.

**Keywords :** WiMAX, Quality of Services (QoS), OPNE, Diff-Serv (DS).

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