

عنوان مقاله:

A Novel Algorithm for Optimizing Quality of Service in WIMAX System

محل انتشار:

سومین کنفرانس سراسری نوآوری های اخیر در مهندسی برق و کامپیوتر (سال: 1395)

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خلاصه مقاله:

In this paper, a new algorithm for optimizing centralized scheduling in mesh mode (standard 802.16) has been studied. In available algorithms, overhead related to guard symbol between time slots in 802.16 networks is not mentioned. In this algorithm, switching overload for effective utilization of radio resources and interference model for time scheduling optimization of QOS(Quality of Service) have been considered. The comparison between proposed algorithm and available algorithms based on simulation of different scenarios show that QOS parameters e.g. better application of channel bandwidth, reduction of scheduling latency, and fair dedication of bandwidth are improved.

کلمات کلیدی:

WIMAX, Wireless Mesh Network, Quality of Service, Centralized Scheduling

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