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Abstract

IEEE 802. 11 WLANs (Wi-Fi) standards are widely developed for presenting internet access public space in hot spots, due to their unique features. The features of wireless local area networks (WLANs) are simple installation with low cost, and support high speed data communications. This study is a discussion and evaluation of the techniques in dynamic load balancing in WLANs. Some of the methods consist of cell breathing (CB) techniques for cooperative load balancing, utility based load balancing and others in WLANs. Finally, we highlighted and compared the techniques according to their applications in IEEE 802. 11b WLANs. The results indicate that by means of dynamic load balancing algorithms in WLANs, network performance is maximized.

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Index Terms
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Keywords

Dynamic Load Balancing Wireless Local Area Networks Cell Breathing.

