Abstract

In recent years, we have noticed a huge interest in the study of channel allocation in 802.11 wireless networks. For two 802.11 based interfaces to correspond with one another, they have to be allocated to a typical channel. Wireless mesh network system is a guaranteeing remote engineering for a few rising and economically captivating applications. Not quite the same as the conventional system, WMN is dynamic self-arranged, self-composed and self-recuperating. This aspects makes it more appealing with lower in advance expense, less demanding system support work, more powerful system construction modeling and more steady business scope. Basically, an answer for a channel task issue figures out which one of all accessible channels ought to be allocated to a given 802.11 interface. Nonetheless, the amount of accessible channels is constrained and as more interfaces inside the same impedance extent is allotted to the same radio channel. In radio channels, channel allocation schemes are required to allocate bandwidth and communication channels to base stations, access points and terminal supplies. In this paper we will discuss distributed channel assignment methods like ROMA, SAFE, EMORE and WACA in wireless communication.


- Feng Linhan et al.; An Improved Channel Allocation Scheme in IEEE 802.11s Mesh Networks; Proceedings of the ICCEAE 2012, AISC 181, pp 1177-1183.


**Index Terms**

Computer Science  
Wireless

**Keywords**

Radio channels  wireless communication  channel assignment  TDMA  ETT  
ROMA  
SAFE  
EMORE.