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RESEARCH ARTICLE



WIRELESS MESH NETWORKS: ISSUES AND CHALLENGES

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Abstract - Wireless mesh networks (WMNs) have emerged as a key technology for next-generation wireless networking. Wireless mesh networks (WMNs) consist of mesh routers and mesh clients, where mesh routers have minimal mobility and form the backbone of WMNs. WMNs have large variety of applications in the field of military and disaster management. WMNs are undergoing rapid progress and inspiring numerous applications. However, many technical issues still exist in this field. They are queuing delay, unpredictable node mobility, wireless multi-hop communication, limited battery power and wireless range of mobile devices, as well as the absence of a central coordination authority in WMNs. This paper presents a study on recent advances and open research issues in WMNs

Full Text: <http://www.ijcsmc.com/docs/papers/February2014/V3I2201499a58.pdf>