Node-to-node approaching in wireless mesh connectivity

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Abstrak

This book highlights routing protocols for wireless mesh networks (WMNs; IEEE 802.11s). It provides an overview of the wireless networks (history, MANET, family of IEEE 802.11, WMNS, etc.) and routing protocols, such as AODV, DSR, OLSR, etc, and also highlights two resolutions of routing protocols with respect to end-to-end delay, packet delivery ratio and routing overhead in WMNs. Wireless mesh networks have become a hot topic for researcher into the deployment of wireless networks, and they represents the connectivity of mesh networking in IEEE 802.11 amendment in static and ad-hoc networks. Moreover, WMNs have numerous attractive features, such as highly reliable connectivity, easy deployment, self-healing, self-configuring, and flexible network expansion. The book describes two routing mechanisms: novel cluster-based routing protocols (NCBRP), and decentralized hybrid wireless mesh protocol (DHWMP).