# 速协同切换技术的设计与实现

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- 摘要: 在无线自组织网络中,移动节点在无线多跳网络链状拓扑或树状拓扑中漫游时,会从一个固定节点切换到下一个固定节点来完成通信业务,通常情况下该切换带来的延迟很高,影响了移动节点通信质量.本文提出的快速协同切换技术,使用 RSSI 作为切换门限,并使得整个网络中与其相关的基站协同合作,从而让移动节点到达快速无缝切换的目的. 关键词: 无线多跳网络;链状拓扑;树状拓扑;RSSI

## Implementation and Design of Fast Cooperative Handover

### **Technology in Wireless Communication Networks**

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Abstract: In wireless ad hoc networks. When a mobile station roams in a wireless multi-hop network chain topology or a tree topology, the mobile station switches from one base to the next base to keep the communication. Generally, the delay caused by the handover is very long, which affects the movement station 's communication quality. The rapid cooperative handover technology proposed in this paper uses RSSI as the handover threshold, and makes the base cooperating with it in the whole network cooperate so that the mobile stations can reach the goal of fast and seamless handover.

Key words: multi-hop network; chain topology; tree topology; RSSI

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