

EMSC: a joint multicast routing,
scheduling, and call admission control
in multi-radio multi-channel WMNs

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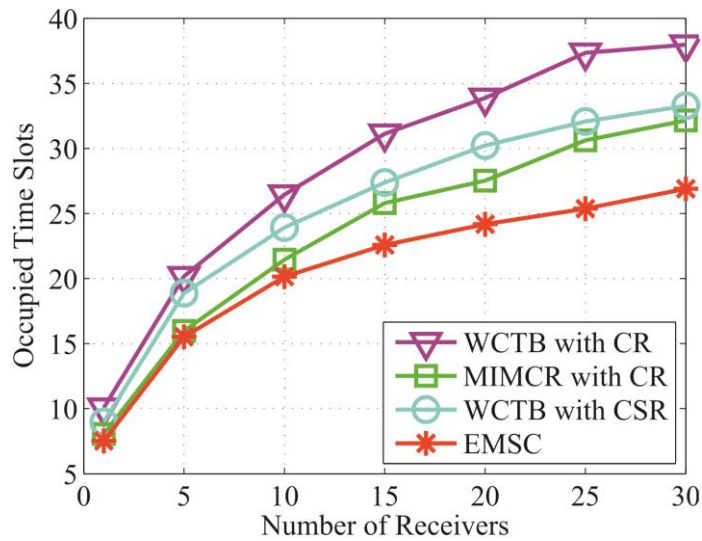
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Problems & Ideas

- Problems: Improving the radio resource utilization in Wireless Mesh Networks
 - Reducing the number of occupied time slots
 - Satisfying the QoS constraints
- Ideas: Joint multicast routing, scheduling, and call admission control
 - Using multi-radio multi-channel technology
 - Employing cross-layer algorithm
 - Considering spatial reuse and both intra-flow and inter-flow interferences

Main Contributions

- Reducing the number of occupied time slots



- Increasing the call acceptance rate

