272. ENERGY EFFICIENT RELAYING IN UNCOORDINATED GROUP OF DELAY SERVICES

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This paper presents a relay selection in cooperative communication networks. The relay selection for delay sensitive multimedia services is a great effort. To support the multimedia services in an energy efficient manner consider a framework where multiple source-destination pairs share a group of relays with energy constraint. To satisfy the quality of service (QoS) requirements in multimedia services in a green manner, the proposed system energy-aware cooperation strategy based on the backoff timer is used. A relay of higher transmission capability is prioritized with shorter backoff time. The backoff timer based strategies can greatly reduce collisions and offer a good match in support of green multimedia communications.

Keywords---Cooperative communication, delay sensitive services, QoS, energy efficient, uncoordinated group of relays.

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