Abstract

To support high data rate applications under limited radio resources and rough wireless channel conditions, dynamic resource allocation is one of the promising techniques which achieve both system capacity and QoS requirements. Apart from the resource allocation techniques, it is imagined that incorporation of rate and power adaptation mechanisms can significantly improve the system performance under fading channels and thereby make the system more robust to deep fading events. In this work it is proposed about how dynamic resource allocation can be implemented in OFDMA systems with fairly in low complexity and with a better performance in terms of the BER and quality of service to the users.

References

Optimization of Dynamic Resource Allocation and Rate Adaptation in OFDMA Systems

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Index Terms

Computer Science
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Keywords
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