

About the Authors.

Other Wiley and IEEE Press Books on Related Topics.

Acknowledgments.

1. Introduction.

I OFDM System Design.

2. Introduction to OFDM.

3. OFDM Transmission over Gaussian Channels.

4. OFDM Transmission over Wideband Channels.

5. Time and Frequency Domain Synchronisation.

6. Adaptive Single- and Multi-User OFDM.

7. Block-Coded Adaptive OFDM.

II OFDM versus MC-CDMA Systems, Their Spreading Codes and Peak Factor Reduction.

8. OFDM versus MC-CDMA.

9. Basic Spreading Sequences.

10. MC-CDMA Performance in Synchronous Environments.

11. Advanced Peak Factor Reduction Techniques.

12. Adaptive Modulation for OFDM and MC-CDMA.

13. Successive Partial Despreading Based Multi-Code MC-CDMA.

III Advanced Topics: Channel Estimation and Multi-user OFDM Systems.

List of General Symbols.

14. Pilot-Assisted Channel Estimation for Single-User OFDM.

15. Decision-Directed Channel Estimation for Single-User OFDM.

16. Channel Estimation for Multi-User OFDM.

17. Detection Techniques for Multi-User SDMA-OFDM.

18. OFDM-Based Wireless Video System Design.

19. Conclusion and Further Research Problems.

Glossary.

Bibliography.

Subject Index.

Author Index.