1. Record Nr. UNINA990000853190403321

Autore	Milnor, John
Titolo	Symmetric Bilinear Forms / J. Milnor D. Husemoller
Pubbl/distr/stampa	Berlin : Springer-Verlag, 1973
ISBN	3-540-06009-X
Descrizione fisica	VIII, 146 p. ; 23 cm
Collana	Ergebnisse der Mathematik und ihrer Grenzgebiete ; 73
Disciplina	512
Locazione	FINBN
Collocazione	02 15 D 25
Lingua di pubblicazione	Italiano
Formato	Materiale a stampa
Livello bibliografico	Monografia

2. Record Nr. UNINA9911020163503321

Titolo	OFDM and MC-CDMA for broadband multi-user communications, WLANs, and broadcasting / / L. Hanzo ... [et al.]
Pubbl/distr/stampa	New York, : J. Wiley, c2003
ISBN	9786610271382 9781280271380 1280271388 9780470300145 0470300140 9780470861806 0470861800
Descrizione fisica	1 online resource (1014 p.)
Altri autori (Persone)	HanzoLajos <1952->
Disciplina	621.382
Soggetti	Wireless communication systems Wireless LANs Orthogonal frequency division multiplexing Code division multiple access Orthogonalization methods

Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references (p. 915-948) and indexes.
Nota di contenuto	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.
Sommario/riassunto	OFDM systems have experienced increased attention in recent years and have found applications in a number of diverse areas including telephone-line based ADSL links, digital audio and video broadcasting systems, and wireless local area networks. OFDM is being considered for the next-generation of wireless systems both with and without direct sequence spreading and the resultant spreading-based multi-carrier CDMA systems have numerous attractive properties.This volume provides the reader with a broad overview of the research on OFDM systems during their 40-year history.Part I commences with an easy to read conceptual, rather than mathematical, treatment of the basic design issues of OFDM systems. The discussions gradually deepen to include adaptive single and multi-user OFDM systems invoking adaptive turbo coding.Part II introduces the taxonomy of multi-carrier CDMA systems and deals with the design of their spreading codes and the objective of minimising their crest factors.This part also compares the benefits of adaptive modulation and space-time coding with the conclusion that in conjunction with multiple transmitters and receivers the advantages of adaptive modulation gradually erode both in OFDM and MC-CDMA systems.Part III addresses a host of advanced channel estimation and multi-user detection problems in the context of Space Division Multiple Access (SDMA) systems.Aimed at the mathematically advanced reader, this part provides a range of implementation-ready solutions, performance results and future research issues.Researchers, advanced students and practising engineers working in wireless communications will all find this valuable text illuminating and informative.