

1. Record Nr.	UNINA9910464758903321
Autore	Pejanovic-Djurisic Milica
Titolo	OFDM based relay systems for future wireless communications // Milica Pejanovic-Djurisic, Enis Kocan, Ramjee Prasad
Pubbl/distr/stampa	Aalborg, Denmark : , : River Publishers, , 2012 ©2012
ISBN	87-92982-80-8
Descrizione fisica	1 online resource (186 p.)
Collana	River Publishers Series in Communications
Disciplina	621.38216
Soggetti	Orthogonal frequency division multiplexing Wireless communication systems Electronic books.
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 and index.
Nota di contenuto	<p>""Cover""; ""Contents""; ""Authors Biography""; ""List of Abbreviations""; ""1 Introduction""; ""2 General Overview of Relay Techniques""; ""2.1 Relay Based Communications""; ""2.1.1 Relaying techniques""; ""2.2 Amplify and Forward Relay Technique""; ""2.2.1 AF with Fixed Gain""; ""2.2.2 AF with Variable Gain""; ""2.3 Decode and Forward Relay Technique""; ""2.4 Performance of AF and DF Relay Systems""; ""3 OFDM relay systems""; ""3.1 Basic OFDM Principles""; ""3.1.1 OFDM System Structure""; ""3.1.2 Bene.ts and Shortcomings of OFDM""; ""3.1.3 Implementation of OFDM and Perspectives""</p> <p>""3.2 Overview OF OFDM Relay Systems""""3.3 OFDM Relay Systems with Subcarrier Permutation""; ""3.3.1 Capacity Enhancement in OFDM Relay Systems""; ""3.3.2 BER Performance Improvement in OFDM Relay Systems""; ""4 Relay Stations in Wireless Cellular Networks""; ""4.1 OFDM Relay Systems in WWAN""; ""4.2 Relay Speci.cations in IEEE 802.16J Standard""; ""4.3 Relay Solutions in IMT-Advanced Relay Systems""; ""4.3.1 Relay Speci.cations in LTE-Advanced Systems""; ""4.3.2 Relay Speci.cations in IEEE 802.16m Standard""; ""4.3.3 Comparisons of IMT-Advanced Relay Systems""</p> <p>""5 Performance of OFDM AF FG Relay Systems with Subcarrier Permutation""""5.1 System Description""; ""5.2 Statistics of the End-To-End SNR""; ""5.2.1 Ordered Statistics of Random Variables""; ""5.2.2 PDF</p>

of SNR for BTW SCP Scheme"; ""5.2.3 PDF of SNR for BTB SCP Scheme";  
""5.2.4 MGF of SNR for BTB SCP Scheme"; ""5.2.5 MGF of SNR for BTB  
SCP Scheme"; ""5.3 BER Performance of OFDM AF FG Relay Systems  
with SCP"; ""5.3.1 BER of DPSK Modulated OFDM AF FG Relay Systems  
with SCP"; ""5.3.2 BER of BPSK Modulated OFDM AF FG Relay Systems  
with SCP"  
""5.3.3 BER of m-QAM Modulated OFDM AF FG Relay Systems with  
SCP""5.4 Ergodic Capacity of OFDM AF FG Relay Systems with SCP";  
""5.5 Performance Analysis of OFDM AF FG Relay Systems with SCP";  
""5.5.1 BER Performance Analysis of DPSK Modulated OFDM AF FG Relay  
Systems with SCP"; ""5.5.2 BER Performance Analysis of BPSK  
Modulated OFDM AF FG Relay Systems with SCP"; ""5.5.3 BER  
Performance Analysis of 4-QAM Modulated OFDM AF FG Relay Systems  
with SCP"; ""5.5.4 Ergodic Capacity Analysis of OFDM AF FG Relay  
Systems with SCP"  
""6 Performance of OFDM AF VG Relay Systems with Subcarrier  
Permutation""6.1 System Description"; ""6.2 Statistics of the End-to-  
End SNR"; ""6.2.1 Harmonic Mean of Random Variables"; ""6.2.2 PDF  
of SNR for BTW SCP Scheme"; ""6.2.3 PDF of SNR for BTB SCP Scheme";  
""6.2.4 MGF of SNR for BTW SCP Scheme"; ""6.2.5 MGF of SNR for BTB  
SCP Scheme"; ""6.3 BER Performance of OFDM AF VG Relay Systems  
with SCP"; ""6.3.1 BER Performance of DPSK Modulated OFDM AF VG  
Relay Systems with SCP"; ""6.3.2 BER Performance of BPSK Modulated  
OFDM AF VG Relay Systems with SCP"  
""6.4 Ergodic Capacity of OFDM AF VG Relay Systems with SCP"

---