

1. Record Nr.	UNINA9910465945403321
Titolo	Cooperative radio communications for green smart environments // editor, Narcis Cardona
Pubbl/distr/stampa	Aalborg, Denmark : , : River Publishers, , 2016 ©2016
ISBN	87-93379-14-5
Descrizione fisica	1 online resource (666 p.)
Collana	River Publishers Series in Communications ; ; Volume 47
Disciplina	004.6
Soggetti	Data transmission 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	Front Cover ; Half Title Page ; River Publishers Series In Communications ; Title Page - Cooperative Radio Communications For Green Smart Environments ; Copyright Page ; Contents ; Preface ; Acknowledgments ; List Of Contributors ; List Of Figures ; List Of Tables ; List Of Abbreviations ; Chapter 1 - Introduction ; 1.1 Technology Trends ; 1.1.1 Mobile Networks And The Wireless Internet Of Everything ; 1.1.2 Mobile Communication Scenarios ; 1.2 Rans-Enabling Technologies ; 1.2.1 Small Cells In Very High-Dense Deployment ; 1.2.2 Moving And Relaying Nodes 1.2.3 Virtualisation, Cloud, And Ultra-Flexible Rans 1.2.4 Energy- And Spectrum-Efficient Networking ; 1.2.5 New Spectrum Bands For Mobile Broadband ; 1.2.6 Radio Channels And Propagation Modelling ; 1.3 Scope Of The Book ; Chapter 2 - Urban Radio Access Networks ; 2.1 Radio Propagation In Urban Scenarios ; 2.1.1 Radio Propagation Measurement And Stochastic Modelling ; 2.1.1.1 Channel Characterisation In Various Urban Scenarios Relay ; 2.1.1.2 Updated Models In Challenging Conditions Container Terminals ; 2.1.1.3 Effects Of User Mobility, Existence Of Pedestrians, And Tx/Rx Antenna Height 2.1.2 Rt Techniques 2.1.2.1 Diffuse Scattering ; 2.1.2.2 Rt In Vehicular Networks ; 2.1.2.3 Channel Modelling For 5G Networks ; 2.1.2.4 Improvements Of Ray Launching ; 2.1.3 Massive And Distributed Mimo ; 2.1.3.1 Massive Mimo ; 2.1.3.2 Distributed Mimo ; 2.1.4 Cellular Mm-

Wave ; 2.1.4.1 General Propagation Characteristics ; 2.1.4.2 Channel Measurement Campaigns And Results ; 2.1.4.3 Rt Investigations ; 2.1.4.4 Stochastic And Semi-Stochastic Mm-Wave Channel Models ; 2.2 Urban Reference Scenarios ; 2.2.1 Simulators For Urban Environments ; 2.2.2 Hannover Scenario
2.2.2.1 Lte Network In The Hannover Scenario 2.2.2.2 User Mobility Models ; 2.2.2.3 Propagation Models ; 2.2.2.4 Data Traffic Model ; 2.2.2.5 Conclusion And Future Work ; 2.3 Summary And Future Directions ; Chapter 3 - Indoor Wireless Communications And Applications ; 3.1 Advances In Short-Range Radio System Design ; 3.1.1 Characterisation Of The Indoor Channel Using Room Electromagnetics (Rem) And Diffuse Multipath ; 3.1.1.1 Introduction: Rem And Diffuse Multipath Components (Dmcs) ; 3.1.1.2 Rem Models ; 3.1.1.3 Diffuse Multipath Components (Dmcs) In Industry
3.1.2 Characterisation Of The Indoor Channel Using Simulations: Heuristic, Ray-Based And Fullwave 3.1.2.1 Heuristic Channel Modelling ; 3.1.2.2 Full-Wave Channel Modelling ; 3.1.2.3 Advanced Ray-Based Modelling ; 3.1.3 Advanced Indoor Propagation Modelling ; 3.1.3.1 Characterisation Of Multi-Antenna And Multi-Link Indoor Channels ; 3.1.3.2 Modelling Of Time And Frequency Dependence In Uwb Indoor Channels ; 3.1.3.3 Accurate Propagation Models For Mobile Networks Deployment ; 3.1.4 Advanced Mimo Techniques: Leaky Coaxial Cables (Lcxs), Distributed Antenna System (Das) And Massive Mimo
3.1.4.1 Lcxs
