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	""3.3.4 Packet data convergence control (PDCP)""; ""3.3.5 Radio resource control (RRC)""; ""3.3.6 Non-access stratum protocols""; ""4 LTE-advanced""; ""4.1 LTE-A key technologies""; ""4.1.1 Carrier aggregation""; ""4.1.2 Enhanced MIMO""; ""4.1.3 Relays""; ""4.1.4 Coordinated multiple point transmission and reception""; ""4.2 LTE-A radio protocol architecture""; ""4.3 Comparison of LTE and LTE-A""; ""5 Wireless local area network"; ""6 Simulation of wireless networks""; ""6.1 Wireless network simulator cols"" ""6.1.1 Network simulator 2"""6.1.2 Optimized network engineering tool""; ""6.1.3 OMNeT++""; ""6.1.4 GloMoSim""; ""6.1.5 LTE-Sim""; ""6.2 Mobility models""; ""6.2.1 Random walk mobility model""; ""6.2.2 Random waypoint mobility models"; ""6.4 Case studies and simulation results""; ""7 Conclusion""; ""2 TCP in MANET""; ""2.1 Problems of TCP in MANET"; ""3 MANET Routing Protocols""; ""4 Related work""; ""5 Presentation of CL-TCP-OLSR"" ""6 Evaluation of CL-TCP-OLSR"" ""6 Evaluation of CL-TCP-OLSR"" ""7 Conclusion and future work"; ""6.2.1.2 Energy consumption""; ""7 Conclusion and future work"; ""4.2.1 Energy consumption""; ""7 Conclusion and future work"; ""2 Related work""; ""5 Presentation of CL-TCP-OLSR"" ""6.2.1.2 Energy consumption""; ""7 Conclusion and future work"; ""Acknowledgements""; ""7 Conclusion and future work"; ""2 Related work""; ""3 The 802.11aa group addresse transmission service""; ""3.1 The 802.11aa group addressed transmission service""
Sommario/riassunto	Modeling and Simulation of Computer Networks and Systems: Methodologies and Applications introduces you to a broad array of modeling and simulation issues related to computer networks and systems. It focuses on the theories, tools, applications and uses of modeling and simulation in order to effectively optimize networks. It describes methodologies for modeling and simulation of new generations of wireless and mobiles networks and cloud and grid computing systems. Drawing upon years of practical experience and using numerous examples and illustrative applications recognized experts in both