Record Nr.	UNINA9910141256403321
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Titolo	Mobility models for next generation wireless networks : ad hoc, vehicular, and mesh networks / / Paolo Santi
Pubbl/distr/stampa	Hoboken, New Jersey : , : Wiley, , 2012
	[Piscataqay, New Jersey] : , : IEEE Xplore, , [2012]
ISBN	1-280-69673-7
	9780013073095
	1-118-34477-4
	1-118-34491-X
Descrizione fisica	1 online resource (376 p.)
Collana	Wiley series on communications networking & distributed systems
Disciplina	004.6
Soggetti	Wireless communication systems
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	List of Figures xv List of Tables xxiii About the Author xxv Preface xxvii Acknowledgments xxxiii List of Abbreviations xxxv Part I INTRODUCTION 1 Next Generation Wireless Networks 3 1.1 WLAN and Mesh Networks 5 1.2 Ad Hoc Networks 8 1.3 Vehicular Networks 10 1.4 Wireless Sensor Networks 13 1.5 Opportunistic Networks 14 2 Modeling Next Generation Wireless Networks 19 2.1 Radio Channel Models 20 2.2 The Communication Graph 26 2.3 The Energy Model 31 3 Mobility Models for Next Generation Wireless Networks 33 3.1 Motivation 33 3.2 Cellular vs. Next Generation Wireless Networks 33 3.1 Motivation 33 3.2 Cellular vs. Next Generation Wireless Network Mobility Models 35 3.3 A Taxonomy of Existing Mobility Models 38 3.4 Mobility Models and Real-World Traces: The CRAWDAD Resource 43 3.5 Basic Definitions 45 Part II "GENERAL-PURPOSE" MOBILITY MODELS 4 Random Walk Models 51 4.1 Discrete Random Walks 52 4.2 Continuous Random Walks 55 4.3 Other Random Walk Models 57 4.4 Theoretical Properties of Random Walk Models 58 5 The Random Waypoint Model 61 5.1 The RWP Model 62 5.2 The Node Spatial Distribution of the RWP Model 64 5.3 The Average Nodal Speed of

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Sommario/riassunto	Index 335. This book highlights the practices for designing effective protocols/applications for next generation wireless networks In this book, the author provides the reader with an overview of mobility modeling, encompassing both theoretical and practical aspects related to the challenging mobility modeling task. The first part of the book introduces next generation wireless networks, providing motivations for the need of carefully modeling mobility as part of the network performance evaluation process. In addition, it describes "general- purpose" mobility models (i.e., models that are not tailored to specific application scenarios), including both theoretical and practical aspects. Furthermore, the author explores mobility models tailored to specific application scenarios of next generation wireless networks. In particular, the author considers WLAN/mesh networks, vehicular networks, wireless sensor networks, and opportunistic networks. For each considered application scenario, the book briefly presents the state-of-the-art and prospective of the corresponding technology as well as a representative set of mobility models. Finally, the book offers two case studies, which illustrate exemplary situations in which a deep understanding of mobility modeling can be used to devise a "perfect" wireless network simulation methodology (Case study 1), and to characterize fundamental properties of message routing in opportunistic networks, also including social human behavior (Case study 2). Key Features: . Offers an in-depth discussion of the most representative mobility models for major next generation wireless network applications scenarios, including WLAN/mesh networks, vehicular networks, wireless sensor networks, and opportunistic networks. Demonstrates the practices for designing effective protocol/applications for next generation wireless networks. Includes case studies showcasing the importance of properly understanding fundamental mobility model properties in wireless network per
	professionals and networking system developers.