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	Autore	GARCIN DE TASSY, Joseph
	Titolo	Rudimens de la langue Hindoustani, a l'usage des Elèves de l'Ecole royale et spéciale des langues orientales vivantes / par M. Garcin De Tassy
	Pubbl/distr/stampa	Paris, : Imprimerie Royale, 19.
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2.	Record Nr.	UNINA9911006514003321
	Autore	Goldsmith Andrea <1964->
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	Descrizione fisica	1 online resource (xxviii, 644 pages) : digital, PDF file(s)
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Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	1. Overview of wireless communications -- 2. Path loss and shadowing -- 3. Statistical multipath channel models -- 4. Capacity of wireless channels -- 5. Digital modulation and detection -- 6. Performance of digital modulation over wireless channels -- 7. Diversity -- 8. Coding for wireless channels -- 9. Adaptive modulation and coding -- 10. Multiple antennas and space-time communications -- 11. Equalization -- 12. Multicarrier modulation -- 13. Spread spectrum -- 14. Multiuser systems -- 15. Cellular systems and infrastructure-based wireless networks -- 16. Ad Hoc wireless networks.
Sommario/riassunto	Wireless technology is a truly revolutionary paradigm shift, enabling multimedia communications between people and devices from any location. It also underpins exciting applications such as sensor networks, smart homes, telemedicine, and automated highways. This book, first published in 2005, provides a comprehensive introduction to the underlying theory, design techniques and analytical tools of wireless communications, focusing primarily on the core principles of wireless system design. The book begins with an overview of wireless systems and standards. The characteristics of the wireless channel are then described, including their fundamental capacity limits. Various modulation, coding, and signal processing schemes are then discussed in detail, including state-of-the-art adaptive modulation, multicarrier, spread spectrum, and multiple antenna techniques. The concluding chapters deal with multiuser communications, cellular system design, and ad-hoc network design. Design insights and tradeoffs are emphasized throughout the book. It contains many worked examples, over 200 figures, almost 300 homework exercises, over 700 references, and is an ideal textbook for students.