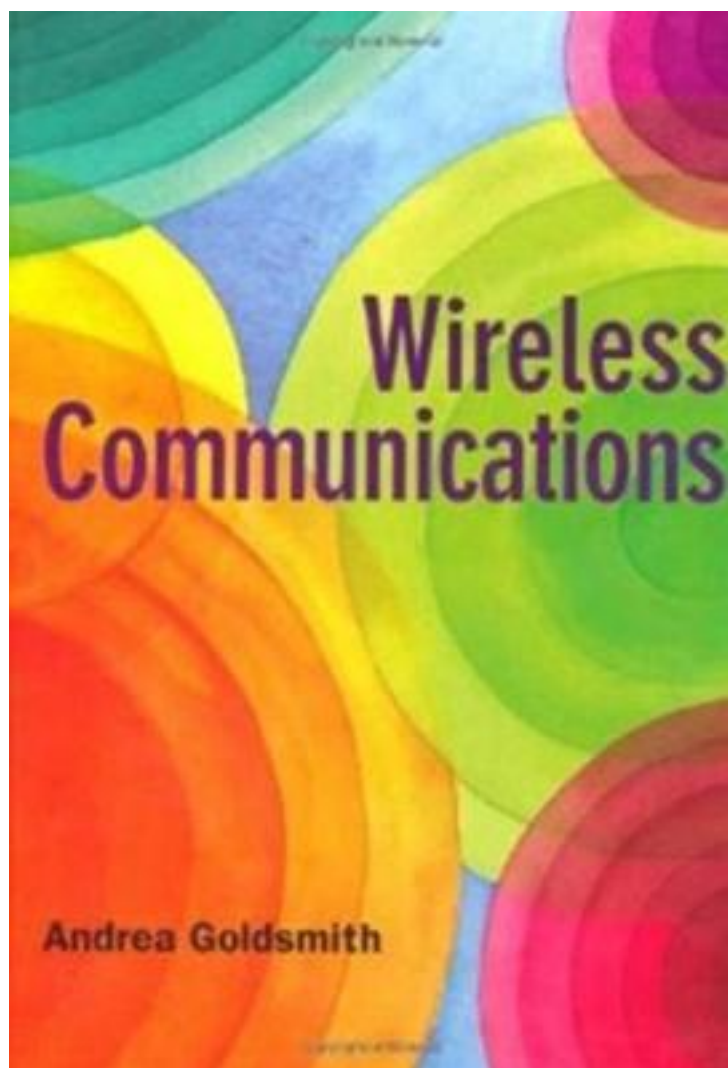


Wireless Communications



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著者:Molisch, Andreas F.

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"Wireless Communications" presents the most comprehensive coverage of this field which, in only a decade, has grown from a niche market into one of the most important industries. While previous systems were generally intended to provide mobile speech communications, mobile data communications have since developed. This essential textbook on the principles and applications of mobile radio is an all-encompassing current treatment of the area, addressing both the traditional elements, such as Rayleigh fading, BER in flat fading channels, and equalization, and more recently emerging topics like multi-user detection in CDMA systems, OFDM and smart antennas. These fundamentals are related to practical systems, and the dominant wireless standards, including cellular, cordless and wireless LANs, are discussed. It offers a comprehensive and current treatment of a very hot topic, one of the fastest growing fields of communications. Topics featured include: wireless propagation channels, transceivers and signal processing, multiple access and advanced transceiver schemes, and standardized wireless systems. The book combines mathematical descriptions with intuitive explanations of the physical facts, to assist readers in acquiring a deeper understanding of the area. "Wireless Communications" is an essential text for advanced undergraduate students with a working knowledge of standard digital communications, graduate students and practising engineers. It will also be an invaluable source of reference for wireless communications engineers. The companion website includes: supplementary material on 'DECT' Solutions manual and presentation slides for instructors; appendices; list of abbreviations; and, other useful resources.

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