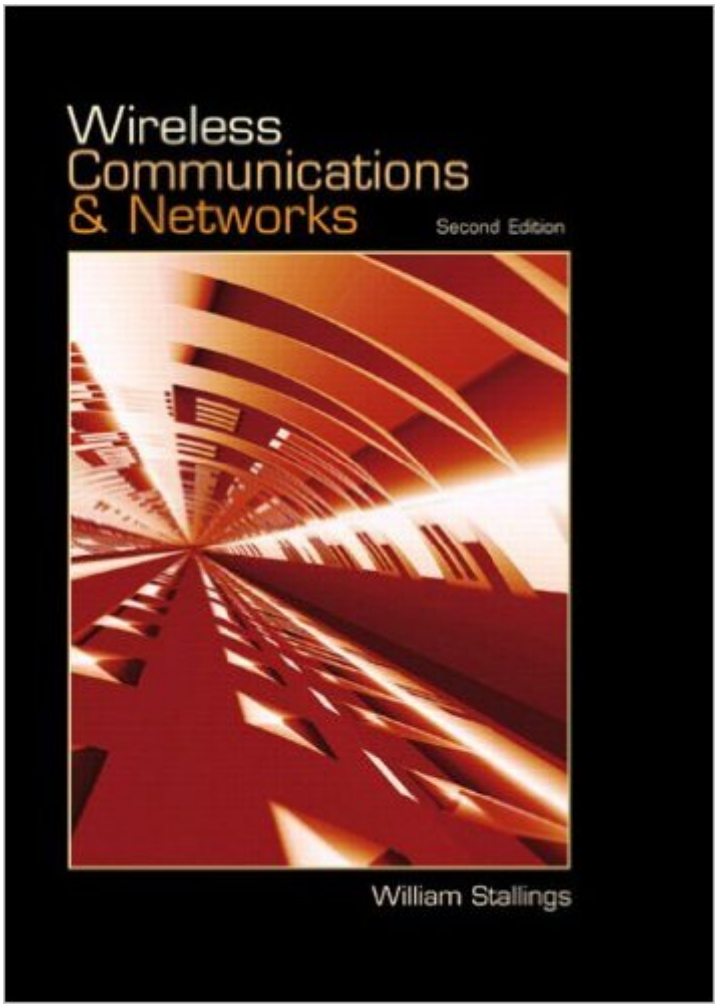
Wireless Communications & Networks (2nd Edition)



Synopsis

Wireless Communications and Networks, 2e, provides one of the most up-to-date and accurate overviews of wireless principles, technology, and application. It is ideal for courses in wireless networking, wireless communications, wireless data communications or wireless technology in departments of Computer Science, Engineering, IT, and Continuing Education. Â The rapid growth of mobile telephone use, satellite services, and the wireless Internet are generating tremendous changes in telecommunications and networking. Combining very current technical depth with a strong pedagogy and advanced Web support, this new edition provides a comprehensive guide to wireless technologyâ ”exploring key topics such as technology and architecture, network types, design approaches, and the latest applications.

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Customer Reviews

If there is one word by which I would have to describe this book, it would be: "complete". The author assumes that the reader has nothing but very basic mathematic and scientific training and takes him all the way from first principles in those disciplines to the details of cellular networks, wireless LANs and Bluetooth to mention three of the latter chapters. The ample usage of illustrations, review questions and www-references position this as a high-quality textbook.Then again, if you are an experienced engineer, looking to solve a concrete problem for the wireless system you are presently sitting in front of, you will find that Stallings' book, because of its breadth of treatment, does not reach the necessary depth. In that case: read one of the many references for further study

that the author offers.

First of all, this is a high quality book. Hardcover and fine paper makes it a pleasure to handle. The chapters are well organized into four parts, from Technical Background to Wireless Lans. Beware however, that this is a quite theoretical book. If you are looking for a fast approach to WLAN technologies, perhaps you should try simpler books like O'REILLY's 'Wireless Community Networks'.Nevertheless, it is an ideal textbook for academic purposes. I am using it as a reference for undergraduate courses. Chapters related to Signal Encoding and Spread Spectrum are really well written, and 802.11 and Bluetooth fundamentals are fully explained.Even if several parts of the book are taken (with little or none modifications) from other Stallings' books, the book is still worth to have since this fact makes it a completely self-contained reference.

Wish it ware possible to give negative stars. This is the worst book I have ever used for a class. The text is very general and the end of the chapter review problems are in depth. I didn't pay to take this class so I can spend hours searching the web to find the needed information that this book doesn't contain. A beginner would be lost with this book. I have years in electronics and this book doesn't explain the information well.I keep all my text books for future reference, but this one will not take up space on my bookshelf.

This is the worst book I've ever used or read. I had to use three chapters of this book in one of my grad classes for the master of network and communication management, but I was very disappointed about the level of his writing and the more interesting thing is that the author seems to use copy and paste a lot from other documents, one of the chapters that I partially read was about the Bluetooth but I preferred to download the 802.15 standards from the IEEE web site and use it instead of using the book because it is concise and well organized not like the book which presents the material like a crosswords, what I found is that most of the material in that chapter was just a copy and paste from the IEEE standards without any explanation or added knowledge. Another interesting example is about the SIP and SDP; I needed to do a research for VOIP class specifically on SDP, therefore I searched some sites such as Cisco web site and the IETF RFCs and I found an article written by Stallings on Cisco web site and I compared it to RFC3261, guess what!! He copied most of the definitions and examples, even some of the diagrams from the RFC or other documents!!the links to Stallings article and to RFC3261 will not appear because remove them but the reader can search cisco web site and IETF and compare the two documents to judge.

The materials in the book are precise and straight to the point.I enjoy reading it for the wireless communications course I am taking right now.Stallings did a great work by bringing the materials to even beginners level of understanding.

Very suitable for beginners and intermediates. Easy to understand the sentences and main points but I think it would be much better if there is a solution guide for selected question at the end of the book.

Clear, well-organized, and good level of detail. I was frustrated that so many data networking books do not adequately cover wireless, and this does that perfectly. There is even a website with PowerPoint presentations and pdf files of images from the text.

I followed it in my undergraduate studies. It is an okay book, not anything exceptional, just average. I found Mobile Communications by Jochen Schiller better than this book. However with respect to contents it covers much more, particulalry on wireless communications stuff. Actually it should not be compared to Schiller's book because the two are covering relatively different contents. As the title of this book suggests: "Wireless Communicstions and Networks", much of the stuff it covers belong to wireless communications rather than wireless networks e.g., transmission fundamantals, antennas and propagation, signal and encoding techniques.Many topics are actually belong to the introductory computer networks books but have been included here again, such as the introduction of TCP, IP, in chapter 4, which is, believe me, written in very dry style. Even interesting things look boring if presented this way.Particulalry the chapters I found relatively well written are Chapter 5 "Antennas and Propagation" and Chapter 10 "Cellular Wireless Networks". However the contents on the cellular wireless networks are too limited. The networks technologies have been merely touched here. In contrast Schiller's book describes GSM, GPRS, UMTS/WCDMA, etc in a lot more detailed and interesting way. I did not follow WLAN chapters of this book since I consulted Schiller's book for it therefore I cannot say much about it.Also sometimes it feels that too much math have been included, the writing style is not very interesting.

Beginners (How to Hack, Wireless Hacking, Penetration Testing, Social ... Security, Computer Hacking, Kali Linux) Wireless Communications & Networks (2nd Edition) Wireless Hacking: How To Hack Wireless Network (How to Hack, Wireless Hacking, Penetration Testing, Social ... Security, Computer Hacking, Kali Linux) Controller-Based Wireless LAN Fundamentals: An end-to-end reference guide to design, deploy, manage, and secure 802.11 wireless networks Millimeter Wave Wireless Communications (Prentice Hall Communications Engineering and Emerging Technologies Series from Ted Rappaport) RF Engineering for Wireless Networks: Hardware, Antennas, and Propagation (Communications Engineering (Paperback)) Hacking Exposed Wireless, Third Edition: Wireless Security Secrets & Solutions Hacking Exposed Wireless: Wireless Security Secrets & Colutions RF Power Amplifiers for Wireless Communications, Second Edition (Artech House Microwave Library) 802.11 Wireless Networks: The Definitive Guide, Second Edition Baseband Receiver Design for Wireless MIMO-OFDM Communications Millimeter Wave Wireless Communications Guide to Wireless Communications 5G Mobile and Wireless Communications Technology Smart Antennas for Wireless Communications: With MATLAB (Professional Engineering) Radiowave Propagation and Smart Antennas for Wireless Communications (The Springer International Series in Engineering and Computer Science) Building Wireless Sensor Networks: with ZigBee, XBee, Arduino, and Processing 802.11 Wireless Networks: The Definitive Guide: The Definitive Guide Second Generation Mobile and Wireless Networks