



Fundamentals of Wireless Communication Engineering Technologies

By K. Daniel Wong

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A broad introduction to the fundamentals of wireless communication engineering technologies

Covering both theory and practical topics, *Fundamentals of Wireless Communication Engineering Technologies* offers a sound survey of the major industry-relevant aspects of wireless communication engineering technologies. Divided into four main sections, the book examines RF, antennas, and propagation; wireless access technologies; network and service architectures; and other topics, such as network management and security, policies and regulations, and facilities infrastructure. Helpful cross-references are placed throughout the text, offering additional information where needed.

The book provides:

- Coverage that is closely aligned to the IEEE's Wireless Communication Engineering Technologies (WCET) certification program syllabus, reflecting
- the author's direct involvement in the development of the program
- A special emphasis on wireless cellular and wireless LAN systems
- An excellent foundation for expanding existing knowledge in the wireless field by covering industry-relevant aspects of wireless communication
- Information on how common theories are applied in real-world wireless systems

With a holistic and well-organized overview of wireless communications, *Fundamentals of Wireless Communication Engineering Technologies* is an invaluable resource for anyone interested in taking the WCET exam, as well as practicing engineers, professors, and students seeking to increase their knowledge of wireless communication engineering technologies.



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Review

"Keeping in mind that readers might be unfamiliar or less familiar with certain areas .. the book attempts to ease the entry into these topics by stating assumptions that might otherwise be taken for granted."

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"This book .. offers an excellent survey of this very broad set of fundamentals.. This combination of breadth and depth of coverage allows the book to serve both as a complete course for students and practicing engineers.."

- Professor H. Vincent Poor, Dean, School of Engineering and Applied Sciences, Princeton University (in his Foreword)

From the Back Cover

A broad introduction to the fundamentals of wireless communication engineering technologies

Covering both theory and practical topics ..

[see Product Description above for further information]

About the Author

K. Daniel Wong, Phd (Stanford), is a member of the Practice Analysis Task Force (PATF), which was organized by the IEEE Communications Society and created the initial list of topics for the WCET. After teaching at the Malaysia University of Science and Technology, he started his own training and consulting company in wireless networking and software. He often teaches a variety of highly rated and well received courses on wireless communications. In addition, he has contributed to numerous books, journal and magazine papers, and conference papers.

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