

The book was found

# The Telecommunications Handbook: Engineering Guidelines For Fixed, Mobile And Satellite Systems



## Synopsis

This practical handbook and reference provides a complete understanding of the telecommunications field supported by descriptions and case examples throughout. Taking a practical approach, The Telecommunications Handbook examines the principles and details of all of the major and modern telecommunications systems currently available to industry and to end-users. It gives essential information about usage, architectures, functioning, planning, construction, measurements and optimisation. The structure of the book is modular, giving both overall descriptions of the architectures and functionality of typical use cases, as well as deeper and practical guidelines for telecom professionals. The focus of the book is on current and future networks, and the most up-to-date functionalities of each network are described in sufficient detail for deployment purposes. The contents include an introduction to each technology, its evolution path, feasibility and utilization, solution and network architecture, and technical functioning of the systems (signalling, coding, different modes for channel delivery and security of core and radio system). The planning of the core and radio networks (system-specific field test measurement guidelines, hands-on network planning advices and suggestions for the parameter adjustments) and future systems are also described. Each chapter covers aspects individually for easy reference, including approaches such as: functional blocks, protocol layers, hardware and software, planning, optimization, use cases, challenges, solutions to potential problems. Provides very practical detail on the planning and operation of networks to enable readers to apply the content in real-world deployments. Bridges the gap between the communications in the academic context and the practical knowledge and skills needed to work in the telecommunications industry. Section divisions include: General theory; Fixed telecommunications; Mobile communications; Space communications; Other and special communications; and Planning and management of telecommunication networks. Covers new commercial and enhanced systems deployed, such as IPv6 based networks, LTE-Advanced and GALILEO. An essential reference for Technical personnel at telecom operators; equipment and terminal manufacturers; Engineers working for network operators.

## Book Information

Hardcover: 1008 pages

Publisher: Wiley; 1 edition (March 16, 2015)

Language: English

ISBN-10: 1119944880

ISBN-13: 978-1119944881

Product Dimensions: 7.7 x 2 x 10 inches

Shipping Weight: 3.5 pounds (View shipping rates and policies)

Average Customer Review: Be the first to review this item

Best Sellers Rank: #2,284,605 in Books (See Top 100 in Books) #88 in Books > Engineering & Transportation > Engineering > Telecommunications & Sensors > Satellite #777 in Books > Crafts, Hobbies & Home > Crafts & Hobbies > Radio Operation #863 in Books > Engineering & Transportation > Engineering > Telecommunications & Sensors > Radio

[Download to continue reading...](#)

The Telecommunications Handbook: Engineering Guidelines for Fixed, Mobile and Satellite Systems Satellite Communications Systems Engineering: Atmospheric Effects, Satellite Link Design and System Performance Mobile Apps Made Simple: The Ultimate Guide to Quickly Creating, Designing and Utilizing Mobile Apps for Your Business - 2nd Edition (mobile application, ... programming, android apps, ios apps) Topological Fixed Point Principles for Boundary Value Problems (Topological Fixed Point Theory and Its Applications) Mobile Satellite Communications Handbook Innovations in Satellite Communication and Satellite Technology Mobile Satellite Communications: Principles and Trends Satellite Communications Systems: Systems, Techniques and Technology Satellite Communications Systems Engineering (2nd Edition) Mobile Design and Development: Practical concepts and techniques for creating mobile sites and web apps (Animal Guide) Mobile App Marketing And Monetization: How To Promote Mobile Apps Like A Pro: Learn to promote and monetize your Android or iPhone app. Get hundreds of thousands of downloads & grow your app business Mobile Computing Principles: Designing and Developing Mobile Applications with UML and XML Designing Mobile Payment Experiences: Principles and Best Practices for Mobile Commerce Apps: Make Your First Mobile App Today- App Design, App Programming and Development for Beginners (ios, android, smartphone, tablet, apple, samsung, App ... Programming, Mobile App, Tablet App Book 1) The Bike Doctor's Mobile Bicycle Repair Manual: How to Start and Run A Mobile Bicycle Repair Shop The Use of Pressure-relieving Devices (Beds, Mattresses and Overlays) for the Prevention of Pressure Ulcers in Primary and Secondary Care: Guidelines Commissioned ... Excellence (Clinical Practice Guidelines) The Mobile Mind Shift: Engineer Your Business to Win in the Mobile Moment Active Noise Control Systems: Algorithms and DSP Implementations (Wiley Series in Telecommunications and Signal Processing) Optical Fiber Telecommunications Volume VIB, Sixth Edition: Systems and Networks (Optics and Photonics) Guidelines for Microsoft Office 2013 (Guidelines Series)

