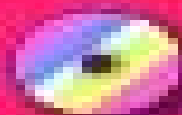


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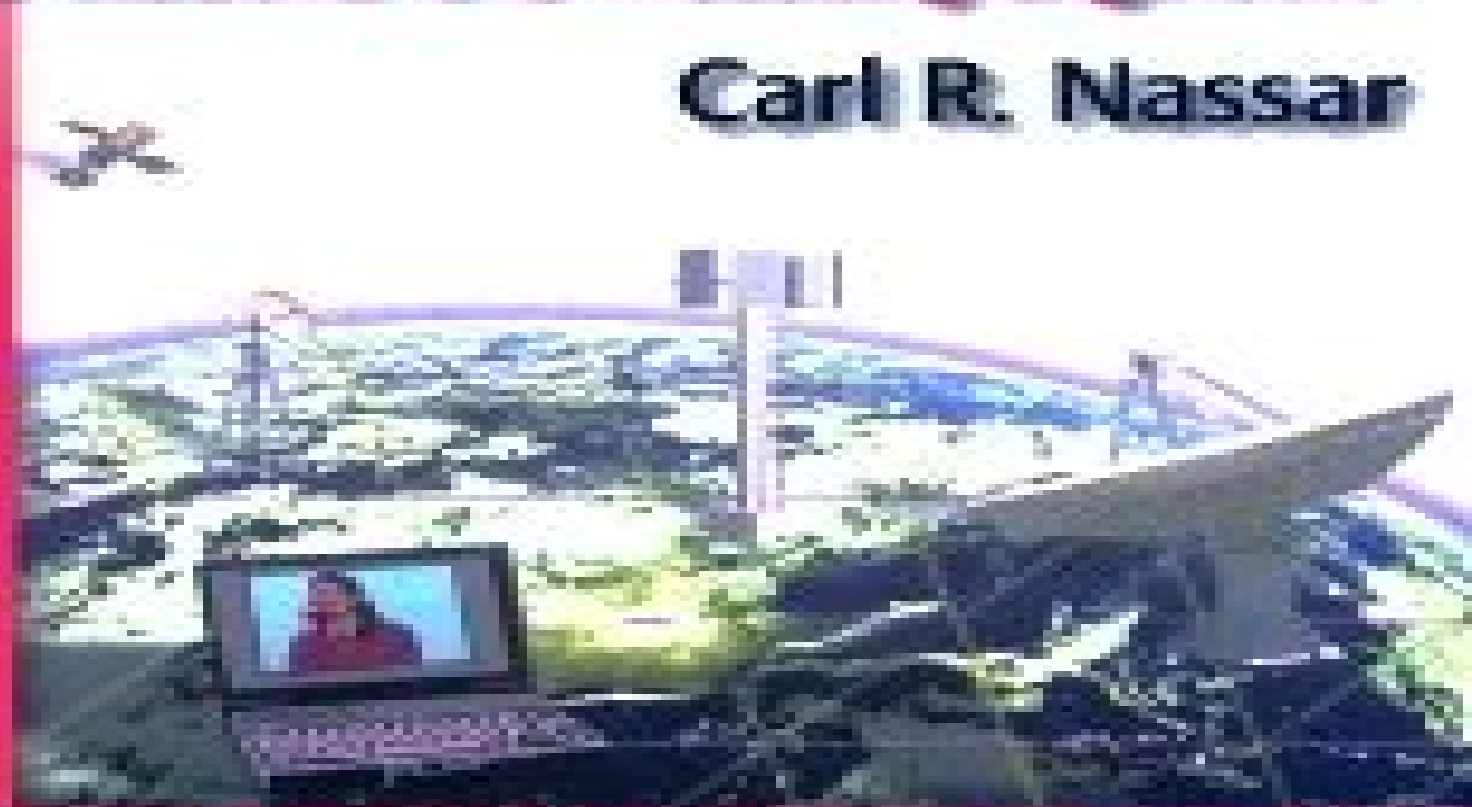
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Multi-Carrier Technologies for Wireless Communication Carl R. Nassar, Bala Natarajan, Zhiqiang Wu, David A. Wiegandt, S. Alireza Zekavat, Steve Shattil, 2006-07-06 Multi carrier technologies have emerged as important instruments in telecommunications OFDM is in the

forefront with its adoption by the IEEE 802.11 standards committee and the European HYPERLAN standards group. Following OFDM, MC-CDMA is also demonstrating considerable promise when compared to competing technologies. According to the authors, these technologies are just the beginning in the coming multi-carrier revolution. In *Multi-Carrier Technologies for Wireless Communication*, the authors explain how a common multi-carrier platform is being designed for DS-SS, CDMA, TDMA, OFDM, and MC-CDMA systems. Findings are presented which show how this multi-carrier platform enhances network capacity and probability of error performance. Specific results include: 1) innovation in multi-carrier technologies that are enabling them to become an integral part of TDMA and DS-SS systems; and 2) the design of multi-carrier systems to overcome PAPR problems in e.g. OFDM. *Multi-Carrier Technologies for Wireless Communication* is an important book for engineers who work with DS-SS, CDMA, TDMA, OFDM, or MC-CDMA systems and are seeking new ways of exploiting the wireless medium based on a smarter signal processing.

**Choice**, 2002. *Telecommunications Demystified*, 3G Wireless Networks. Clint Smith, Daniel Collins, 2001-10-09. Real world instruction in the design and deployment of 3G networks. Pin down the technical details that make 3G wireless networking actually work. In *3G Wireless Networks*, experts Clint Smith and Daniel Collins dissect critical issues of compatibility, internetworking, and voice/data convergence, providing you with in-depth explanations of how key standards and protocols intersect and interconnect. This guide digs into the gritty details of day-to-day network operations, giving you a chance to understand the difficulties service providers will experience in making the changeover from 2nd Generation systems (CDMA, GSM, etc.) to 2.5 Generation systems like WAP and EDGE, and finally to full-throttle 3G networks. It describes key standards, digs deep into the guts of relevant network protocols, and details the full range of compatibility issues between the US CDMA 2000 and European WCDMA versions of the standard. Plenty of call flow diagrams show you exactly how the technologies work.

**VoIP Service Quality**. William C. Hardy, 2003-01-17. Despite the features that make Voice over IP so attractive from the standpoint of cost and flexibility of telephone services, businesses will only adopt it once they've determined whether and under what circumstances the quality of VoIP will be satisfactory to users. This hands-on guide supplies you with all the tools you need for VoIP service quality analysis, including explicit directions for designing subjective tests and interpreting results, selecting, extending, and applying speech distortion and multiple effects models, examining call set-up times for IP telephony, determining requirements for multimedia exchanges. Without jargon or tech talk, Hardy delivers solid information on means of measuring, assessing, and improving VoIP quality. He gives you expert information and hands-on specifics showing you: The factors that can create a negative caller experience and how packet switching affects them; What to look for in assessing VoIP quality; How to elicit and interpret user evaluations of voice quality; How to estimate likely user perception of voice quality by objective test and analysis; When and how to apply alternative quality measurement techniques to overcome quality shortfalls.

*Telecom Service Rollouts*. Rajoo Nagar, 2002. In this volume, the companies who have successfully rolled out telecom services report on what they did and why. Key features

include a post mortem of the crash year business plans behind profitable service rollouts discussion of how partnership can help or hinder managing capital throughout the funding cycle and go to market strategies

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**Optical Switching and Networking Handbook** Bates, 2001-02-16 Bestselling author Regis Bud Bates utilizes a market driven business needs approach to optical communications Provides a concise analysis of systems and options without being overly technical and translates complicated jargon into clear business terms Includes applications and implementation of technologies regulatory and standards developments product photos and descriptions generic pricing and business models

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