Bulletproof Wireless Security: GSM, UMTS, 802.11, and Ad Hoc Security (Communications Engineering (Paperback))

By Praphul Chandra

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Finally--a single volume guide to really effective security for both voice and data wireless networks!

More and more data and voice communications are going via wireless at some point between the sender and intended recipient. As a result, truly "bulletproof" wireless security is now more than a desirable feature--instead, it's a necessity to protect essential personal and business data from hackers and eavesdroppers.

In this handy reference, Praphul Chandra gives you the conceptual and practical tools every RF, wireless, and network engineer needs for high-security wireless applications.

- Inside this book you'll find coverage of these essential topics: + Cryptographic protocols used in wireless networks. + Key-based protocols, including key exchange and authentication techniques + Various types of wireless network attacks, including reflection, session hijacks, and Fluhrer-Mantin-Shamir (FMS) attacks. + Encryption/decryption standards and methods. + Multi-layered security architectures. + Secure sockets layer (SSL) and transport layer security (TLS) protocols. + Cellular telephone network architectures and their vulnerabilities. + Modulation techniques, such as direct-sequence spread spectrum (DSSS) and orthogonal frequency division multiplexing (OFDM)
- And you'll also find coverage on such cutting-edge topics as security techniques for ad hoc networks and protecting Bluetooth networks. If you're serious about wireless security, then this title belongs on your reference bookshelf!

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Editorial Review

Review
"...an excellent introduction to a complex subject...It uses just enough theory to prepare readers but focuses on practical issues and implementations…" **-EDN, September 2005**

From the Back Cover
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