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Transmission Opportunity; 6.5 EDCF; 6.6 HCF; 6.7 Voice Data Coexistence; 6.8 Achieving QoS for VoWLAN; 6.9 System Capacity; 6.10 Admission Control; 6.11 Summary; Chapter 7. Security; 7.1 Introduction; 7.2 Key Establishment in 802.11; 7.3 Anonymity in 802.11; 7.4 Authentication in 802.11; 7.5 Confidentiality in 802.11; 7.6 Data Integrity in 802.11; 7.7 Loopholes in 802.11 Security; 7.8 WPA; 7.9 WPA2 (802.11i); 7.10 Beyond 802.11 Security; 7.11 Conclusion; Chapter 8. Roaming; 8.1 The Need for Roaming; 8.2 Types of Roaming 8.3 Roaming Issues 8.4 Roaming and Voice; 8.5 Preparing to Roam: Scanning; 8.6 When to Roam; 8.7 Where to Roam; 8.8 Reauthentication Delays; 8.9 Inter-ESS Roaming; 8.10 Future Enhancements; 8.11 Conclusion; Chapter 9. Power Management; 9.1 The Need for Power Management; 9.2 Underlying Philosophy of Power Management; 9.3 Designing for Power Management; 9.4 Implementing Power Management; 9.5 An Operational Perspective; 9.6 Summary; Chapter 10. Voice over Wi-Fi and Other Wireless Technologies; 10.1 Introduction; 10.2 Ongoing 802.11 Standard Work; 10.3 Wi-Fi and Cellular Networks; 10.4 WiMax 10.5 VoWi-Fi and Bluetooth 10.6 VoWi-Fi and DECT; 10.7 VoWi-Fi and Other Ongoing 802.x Wireless Projects; 10.8 Conclusion; References; Index

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## Sommario/riassunto

Wi-Fi telephony is the latest, most cost effective, and clearest way of carrying voice data wirelessly. The great news is that it can be integrated seamlessly into the same infrastructures as currently used for computer and telephone data. The digital quality is far above current cellular technologies. This book will be among the first to discuss Session Initiation Protocol (SIP), Quality of Service (QoS), and interoperability in connection with Wi-Fi telephony. Security challenges are also presented and solved along these malleable wireless boundaries. In short, this book provides all t

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