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Nota di contenuto	Beyond VoIP Protocols Understanding Voice Technology and Networking Techniques for IP Telephony; Contents; Glossary; List of Abbreviations; 1 Introduction; 1.1 The rebirth of VoIP; 1.2 Why beyond VoIP protocols?; 1.2.1 Selecting a voice coder; 1.2.2 Providing 'toll quality' . . . and more; 1.2.3 Controlling IP quality of service; 1.2.4 Dimensioning the network; 1.2.5 Unleashing the potential of multicast; 1.3 Scope of this book; 1.4 Intended audience; 1.5 Conclusion; 1.6 References; 2 Introduction to Speech-coding Techniques; 2.1 A primer on digital signal processing; 2.1.1 Introduction
	2.1.2 Sampling and quantization2.1.3 The sampling theorem; 2.1.4 Quantization; 2.1.5 ITU G.711 A-law or -law, a basic coder at 64 kbit/s; 2.2 The basic tools of digital signal processing; 2.2.1 Why digital technology simplifies signal processing; 2.2.2 The Z transform and the transfer function; 2.2.3 Linear prediction for speech-coding schemes; 2.3 Overview of speech signals; 2.3.1 Narrow-band and wide-band encoding of audio signals; 2.3.2 Speech production: voiced,

Sommario/riassunto	In 1999-2000, VoIP (Voice-over-IP) telephony was one of the most successful buzzwords of the telecom bubble era. However, in 2001-2003, VoIP faced a very tough reality check. Now, manufacturers and service providers are drawing on what they have learnt from past experience in order to prepare to participate in the next major challenge faced by the telecommunications industry. This book offers a comprehensive overview of the issues to solve in order to deploy global revenue-generating effective ""multimedia"" services. Drawing on extensive research and practical deployment experience i