

Abstract

Wireless Internet Telecommunications offers a hands-on understanding of the techniques and architectures being used to provide voice and data services over wireless networks. It serves as a unified how-it-works guide to wireless Internet telecommunications, systematically addressing each of the technological components and how they fit together. Professionals get a clear picture of protocols like RTP for multimedia transport and SIP for session control signaling, and see what's being done to tackle tough challenges in QoS control, mobility management, and security in the wireless environment. The book discusses the cutting-edge IP multimedia subsystem (IMS) of UMTS to illustrate how each of these crucial components can be successfully implemented in a real-world wireless IP system.

This one-stop resource also explains enhancements to the next generation of the Internet Protocol (IPv6) that will offer greater support for wireless IP networks, and includes a look at future potential applications for wireless Internet communications. Supported by over 100 illustrations and packed with references for further research, this practical volume offers an integrated perspective of the converging wireless and Internet technologies that practitioners need to understand.

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