

WiMAX Technology and Network Evolution

Written and edited by experts who have developed WiMAX technology and standards WiMAX, the Worldwide Interoperability for Microwave Access, represents a paradigm shift in telecommunications technology. It offers the promise of cheaper, smaller, and simpler technology compared to existing broadband options such as DSL, cable, fiber, and 3G wireless. WiMAX Technology and Network Evolution is the first publication to present an accurate, complete, and objective description of mobile WiMAX technology. Each chapter was written and edited by experts, all of whom have been directly engaged in and lead the development of WiMAX either through the IEEE 802.16 Working Group or the WiMAX Forum. As a result, the book addresses not only key technical concepts and design principles, but also a wide range of practical issues concerning this new wireless technology, including:

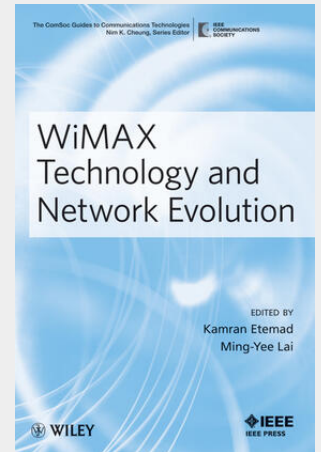
- * Detailed description of WiMAX technology features and capabilities from both radio and network perspectives
- * WiMAX technology evolution in the near and long term
- * Emerging broadband services enabled by the WiMAX networks
- * Regulatory issues affecting WiMAX deployment and global adoption
- * WiMAX accounting, roaming, and network management

Each chapter ends with a summary and a list of references to facilitate further research. Wireless engineers, service designers, product managers, telecommunications professionals, network operators, and academics will all gain new insights into the key issues surrounding the development and implementation of mobile WiMAX. Moreover, the book will help them make informed management and business decisions in devising their own WiMAX strategies.

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