

The book I recommend is "The Wireless Mobile Internet—Architectures, Protocols and Services" by Abbas Jamalipour.

This book gave us a comprehensive introduction to the wireless mobile internet. The first part of the book describes the architecture and access technologies of the 2G and 3G systems. The requirements and issues toward the realization of wireless internet have been discussed in the second part of the book. The last part of the book provides several advanced topics on wireless internet and its generalization on a global basis. The second part (including chapter 5 to 10) is most worth reading in this book. Chapter 5 gives a very clear definition of QoS. QoS process in both Internet and cellular networks has been reviewed. In chapter 6 and 7, traffic modeling and management for wireless IP have been discussed. Overview of the mobility models used in cellular wireless systems and location management techniques is provided in chapter 8. Transport and internet protocols for wireless IP network are discussed in chapter 9 and 10, respectively.

Of course, which part is useful depends on individual's interests. I think the one who is interested in the details of wireless internet should read this book.

This book has a very good structure including three parts. Each individual part of it could be used as a text for specialized courses on the subject of wireless IP. As a whole, this book can be used as a comprehensive text on the subject of wireless mobile internet, from basic definitions, basic requirements and technologies to advanced topics.