

Preface

In recent years, information communication and computation technologies are deeply converging, and various wireless access technologies have been successful in deployment. It can be predicted that the upcoming fifth-generation mobile communication technology (5G) can no longer be defined by a single business model or a typical technical characteristic. 5G is a multi-service and multi-technology integrated network, meeting the future needs of a wide range of big data and the rapid development of numerous businesses, and enhancing the user experience by providing smart and customized services. In this book, we introduce the general background of 5G wireless networks and review related technologies, such as cloud-based networking, cloud platform for networking, definable networking, green wireless networks, which are capable of providing a virtualized, reconfigurable, smart wireless network.

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