



# **5g System Design: Architectural and Functional Considerations and Long Term Research**

*Patrick Marsch (Editor) , Mer Bulakci , Olav Queseth , Mauro Boldi*

[Download now](#)

[Read Online](#) ➔

# 5g System Design: Architectural and Functional Considerations and Long Term Research

*Patrick Marsch (Editor) , Mer Bulakci , Olav Queseth , Mauro Boldi*

**5g System Design: Architectural and Functional Considerations and Long Term Research** Patrick Marsch (Editor) , Mer Bulakci , Olav Queseth , Mauro Boldi

This book provides a comprehensive overview of the latest research and standardization progress towards the 5th generation (5G) of mobile communications technology and beyond. It covers a wide range of topics from 5G use cases and their requirements, to spectrum, 5G end-to-end (E2E) system architecture including core network (CN), transport network (TN) and radio access network (RAN) architecture, network slicing, security and network management. It further dives into the detailed functional design and the evaluation of different 5G concepts, and provides details on planned trials and pre-commercial deployments across the globe. While the book naturally captures the latest agreements in 3rd Generation Partnership Project (3GPP) New Radio (NR) Release 15, it goes significantly beyond this by describing the likely developments towards the final 5G system that will ultimately utilize a wide range of spectrum bands, address all envisioned 5G use cases, and meet or exceed the International Mobile Telecommunications (IMT) requirements for the year 2020 and beyond (IMT-2020).

5G System Design: Architectural and Functional Considerations and Long Term Research is based on the knowledge and consensus from 158 leading researchers and standardization experts from 54 companies or institutes around the globe, representing key mobile network operators, network vendors, academic institutions and regional bodies for 5G. Different from earlier books on 5G, it does not focus on single 5G technology components, but describes the full 5G system design from E2E architecture to detailed functional design, including details on 5G performance, implementation and roll-out.

## 5g System Design: Architectural and Functional Considerations and Long Term Research Details

Date : Published June 19th 2018 by Wiley

ISBN : 9781119425120

Author : Patrick Marsch (Editor) , Mer Bulakci , Olav Queseth , Mauro Boldi

Format : Hardcover 608 pages

Genre :



[Download 5g System Design: Architectural and Functional Consider ...pdf](#)



[Read Online 5g System Design: Architectural and Functional Consid ...pdf](#)

**Download and Read Free Online 5g System Design: Architectural and Functional Considerations and Long Term Research** Patrick Marsch (Editor) , Mer Bulakci , Olav Queseth , Mauro Boldi

---

# **From Reader Review 5g System Design: Architectural and Functional Considerations and Long Term Research for online ebook**

5g System Design: Architectural and Functional Considerations and Long Term Research Free PDF download, audio books, books to read, good books to read, cheap books, good books, online books, books online, book reviews epub, read books online, books to read online, online library, greatbooks to read, PDF best books to read, top books to read 5g System Design: Architectural and Functional Considerations and Long Term Research Patrick Marsch (Editor) , Mer Bulakci , Olav Queseth , Mauro Boldi books to read online.