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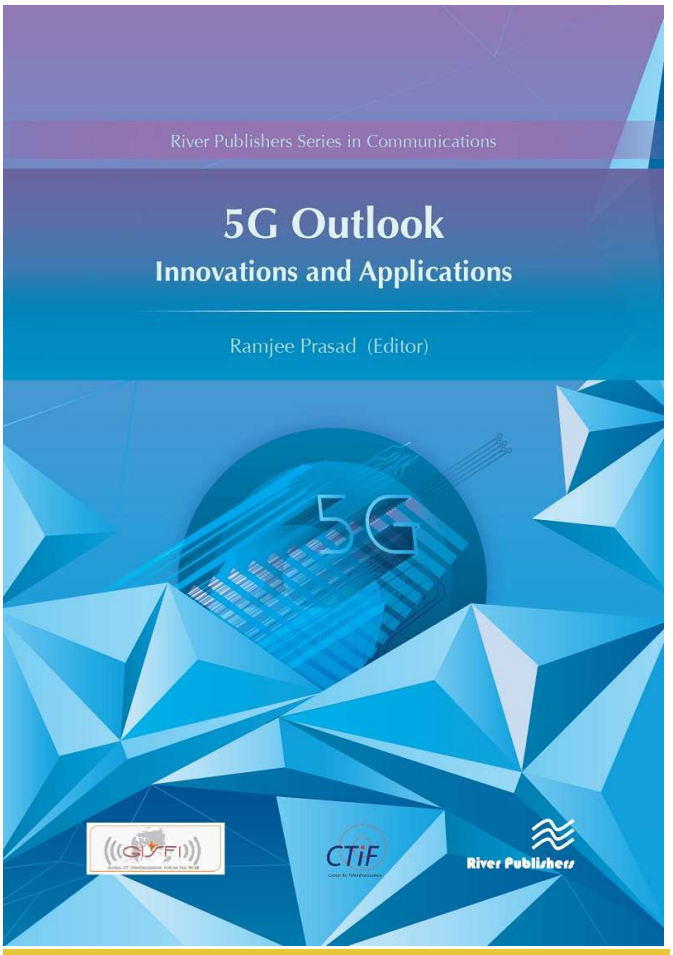
5G Outlook- Innovations and Applications

Editor: Ramjee Prasad, CTIF, Aalborg University, Denmark

5G Outlook - Innovations and Applications is a collection of the recent research and development in the area of the Fifth Generation Mobile Technology (5G), the future of wireless communications. Plenty of novel ideas and knowledge of the 5G are presented in this book as well as divers applications from health science to business modeling. The authors of different chapters contributed from various countries and organizations. The chapters have also been presented at the 5th IEEE 5G Summit held in Aalborg on July 1, 2016.

The book starts with a comprehensive introduction on 5G and its need and requirement. Then millimeter waves as a promising spectrum to 5G technology is discussed. The book continues with the novel and inspiring ideas for the future wireless communication usage and network. Further, some technical issues in signal processing and network design for 5G are presented. Finally, the book ends up with different applications of 5G in distinct areas. Topics widely covered in this book are:

- 5G technology from past to present to the future
- Millimeter- waves and their characteristics
- Signal processing and network design issues for 5G
- Applications, business modeling and several novel ideas for the future of 5G



River Publishers Series in Communications and Networking

ISBN: 9788793379770
e-ISBN: 9788793379787
Available From: June 2016
Price: € 80.00

KEYWORDS:
Fifth Generation Mobile Technology (5G), Wireless Communications, 5G Wireless Networks, Ad-hoc Networks, Millimeter-waves, Network Design, Denial of Service Attacks, Optimal Signal Design, Wavelet Radio TOA, Synchronization Error, TV Broadcast, Mobile Communications, 802.11ax, Personalized Health, Ambient Assisted Living, Multi Business Model Innovations in a World of 5G, Persuasive Technologies

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