

**CALL FOR CHAPTER PROPOSALS**  
**Full paper Submission Deadline: July 1, 2018**  
**“Recent Advances in Wireless Communication: Theories and Applications”**

**Editor:**

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**Introduction:**

Millions of people worldwide depend on wireless powered devices for communication and information sharing. With the evolution of smart and intelligent battery powered pervasive devices, wireless communication technology is changing rapidly to meet the requirements of the users. With the exponential growth of wireless devices a new paradigm shift is required to handle the increasing number of challenges and issues. Also a number of challenges have been exposed in the areas of wireless networking and their integration with the Future Internet. This has motivated many researchers to come out with novel and efficient wireless transmission technologies and applications to support large amount of wireless communication with improved quality of services, higher data transmission rate and lower delay.

In recent years a number of promising wireless technologies have been proposed to improve the quality of wireless communications. Latest researched areas in wireless communications such as Next generation Internet, cloud computing and network virtualization, wireless grids and clouds, fog computing, 5G/6G technology have presented a number of new technologies, standards, applications and results. It is highly essential to have proper dissemination of information on these new advancements among the researchers and industry experts for rapid adaptability and more advanced researches.

The book will cover research articles on the latest advancements, theory and applications in the area of wireless communication. The publication will include articles on the new technologies integrated to wireless devices, latest applications proposed using wireless communication, networking and new concepts in the research area.

**Objective of the Book:**

The book's primary objective is to convey latest research and advancements, technologies, applications, thoughts, and methods of wireless communication to scientists, engineers, industry professionals, researchers, educators, university students interested or working in wireless

communication or related domains. The book will be written for professionals who want to improve their understanding of the principles, challenges and applications of wireless communication. The book will help to identify the interesting and exciting areas of future research to apply these techniques. In addition, it will be an excellent book to teach advanced wireless communication in universities. The book aims at rapid reach ability of the recent advances in wireless communication worldwide. The chapter proposals will be selected in the following categories to make a balance of theory, future research directions and practical/use cases; i.e., original research article, case studies, and review articles in the aforementioned domain.

### **Target Audience:**

The target audience of this book will be composed of professionals, researchers, faculty members, scientists, graduate students, research scholars and software developers who are seeking to carry out research in the field of wireless communication. The book will help in reaching out researchers worldwide with information on latest technological advancements in wireless communication. The proposed book is likely to have global reader since the said subject is taught almost by every university worldwide by computer science and engineering and information technology departments.

### **Recommended topics include, but are not limited to, the following:**

- Advanced Routing Protocols, Opportunistic Routing
- Device-to-device/machine-to-machine communications
- Energy harvesting wireless communication technologies
- 5G/6G technology
- Interoperability and large scale deployment
- Massive MIMO technologies
- Cross-layer handover and its security
- Intelligent mobility management in future network architectures
- Software-defined wireless networks
- Cloud-assist wireless transmission
- Low latency transmission technologies
- Emerging wireless communication protocols
- Privacy and security of wireless communication
- Wearable computers and technologies
- Mobility Management, Network optimization

- Multiple access/modulation schemes beyond OFDMA
- Emerging technologies such as sensor network, delay tolerant networks

**Submission Procedure:**

Researchers and practitioners are invited to submit their full chapter of 8,000 to 12,000 words clearly explaining the mission and concerns of his or her proposed chapter on or before July 1, 2018 via email id: [varunmenon@scmsgroup.org](mailto:varunmenon@scmsgroup.org). All submitted chapters will be reviewed on a double-blind review basis. Contributors may also be requested to serve as reviewers for this project. Authors will be notified by August 1, 2018 about the decision of their chapter.

**Note:** There are no submission or acceptance fees for manuscripts submitted to this book publication, “Recent Advances in Wireless Communication: Theories and Applications”. All manuscripts are accepted based on a double-blind peer review editorial process.

**Publisher:**

This book is scheduled to be published by CRC Press, USA. For additional information regarding the publisher, please visit <https://www.crcpress.com/>. This publication is anticipated to be released in 2018.

**Important Dates:**

**July 1, 2018:** Full Chapter Submission:

**August 1, 2018:** Review Results Returned:

**August 10, 2018:** Final Acceptance Notification:

**September 1, 2018:** Final Chapter Submission:

**Inquiries can be forwarded to:**

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