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Enabling Technologies for Next Generation Wireless Communications

M. Usman, M.D. Ansari & M. Wajid, Ed(s)

GENERAL GUIDELINES

The book will cover chapter based topics to provide up to date information on emerging trends in wireless systems, their enabling technologies and their evolving application paradigms to researchers, technologists, developers, engineers, policy decision-makers as well as graduate students. Academicians, researchers, and industry practitioners are invited to submit their unpublished work in chapter form based on their rich expertise and experience.

Each chapter must have 20-25 pages or 6000 words approximately and should include an abstract of about 150-250 words. The chapter can be prepared in MS-WORD format. The material should not include color text, or color figures, charts or tables. The material should not include any other authored copyright material e.g., figures, tables or charts. If absolutely necessary, it is the responsibility of the author(s) to go after, pay for, and secure permission to reuse any already published material that may be included in their chapter and need to send in all of the permission grant letters.

Author(s) should send their abstract and full chapter at: **musman@comsoc.org** and/or to any of Editor mail-id(s).

If the chapter qualifies the publisher's guidelines, it will be recommended to include in the proposed book **published by CRC Press, Taylor & Francis** Group, FL, USA. There is no publication and processing charge. The book shall be submitted to major abstracting and indexing databases.

IMPORTANT DATES

Page write-up (title and abstract only):	**December 15, 2019**
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Acceptance Notification:	**April 15, 2020**
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TOPICS OF INTEREST

Topics to be discussed in this edited book include, but are not limited to:

Chapter 1: ***Next generation wireless systems - Introduction, requirements, challenges and applications***
Chapter 2: ***Signal processing for next generation wireless systems***
Chapter 3: ***Channel coding for future wireless communication***
Chapter 4: ***Multi-carrier technologies - overview, implementations & performance***
Chapter 5: ***Multi-antenna systems -Large scale MIMO & Massive MIMO***
Chapter 6: ***Spectrum Management and planning***
Chapter 7: ***mmWave Communication***
Chapter 8: ***Visible Light Communication (VLC)***
Chapter 9: ***Channel Modeling - mmWave channels, VLC channels, MIMO channels, channel models for multi-carrier systems***
Chapter 10: ***Artificial Intelligence and Machine Learning for wireless communications***
Chapter 11: ***Cloud computing paradigms in mobile wireless communications***
Chapter 12: ***Security issues and solutions for next generation wireless systems***
Chapter 13: ***Network Architecture and protocols***
Chapter 14: ***Internet of Things(IoT)***
Chapter 15: ***Vehicular Networks - challenges, architectures and protocols***
Chapter 16: ***Case studies on application scenarios***

FOR FURTHER DETAILS, CONTACT THE EDITOR(S)

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