

**Book Title: *Wireless Medical Sensor Networks for IoT-based eHealth***

**Book Editor: Fadi Al-Turjman**

**Publisher: The Institution of Engineering and Technology (the IET) <http://www.theiet.org/>**

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Dear Colleagues,

The Institution of Engineering and Technology (The IET) has contracted us to edit this new edited book project (to be published both in print and electronic).

**Outline for the book content:** The motivation for this project stemmed from the fact that there are currently no in-depth books dedicated to the topic of **the *Wireless Medical Sensor Networks in IoT-based eHealth***. Wireless Medical Sensor Networks (WMSNs) and eHealth Technologies are considered one of the most significant topics in the Internet of Things (IoT). Sensors are at the heart of this concept, and their development is a key issue if such concept is to achieve its full potential. This book is dedicated to addressing the major challenges in realizing *IoT-based eHealth* and *sensing platforms* in the era of the internet of everything. Challenges vary from security and privacy issues to availability and performance modelling.

Since you are an expert in the field, we would like to invite you to join this exciting project as a chapter contributor. We would be grateful if you would contribute a chapter on the topic of ***Wireless Medical Sensor Networks in IoT-based eHealth***. You are welcome to suggest another topic/chapter title if you feel it would be more suitable. Each chapter should be around 20-25 pages each, and can be submitted as a Word or Latex File. The IET will send you additional information (formatting, permission form, etc.) with the contributor's agreement once you have agreed to contribute to the book. The book is expected to have a total number of **20-30 pages** printed pages (based on approximately 550 words per page with a 20% allowance for figures and tables).

We will expect original content for this book with new results, not already published papers and chapters. You can of course reuse published material but the percentage of material reuse for the chapter should be less than 40%. The IET will run piracy software on the full manuscript to control that you are including original material and will reject large amount of material that has already been published so please take this in consideration.

We would appreciate your feedback by **May 30, 2019 (via email: [alturjman@outlook.com](mailto:alturjman@outlook.com) )**. Please do not hesitate to contact us if you have any queries. We very much look forward to working with you towards the successful publication of this new book.

With thanks and best regards,

**Prof. Fadi Al-Turjman**

E-mail: [alturjman@outlook.com](mailto:alturjman@outlook.com)

<http://comnets.akdeniz.edu.tr/team/turjman/>

<https://www.crcpress.com/authors/i17086-fadi-al-turjman>

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### **Proposed Schedule:**

Chapter abstract submission: **May 30, 2019**

Full chapter submission: **July 30, 2019**

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### **Tentative TOC/List of topics**

*Wireless Medical Sensor Networks in Smart-Cities*

*Big Medical Data Analytics*

*Security Issues in WMSNs*

*5G and Big Medical Data*

*Performability in IoT-based eHealth*

*Medical data delivery in IoT-enabled eHealth*

*Deployment Issues in WMSNs*

*Traffic modelling in WMSNs*

*Resource Management and Enabling Technologies in WMSNs*

*Localization in WMSNs*