



Call for Book Chapters for the Springer-Verlag Handbook:

“Beyond the Internet of Things: Everything Interconnected”

Editors

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The networked connection of people, things, processes and data is called the Internet of Everything (IoE). The IoE provides high revenues to many companies due to the increase of work efficiency, as well as to the increase of security and comfort of the workers. The sector-specific infrastructures, where the IoE is successfully implemented are smart grid, critical infrastructure management and smart meters, among others. Nonetheless, the increase of revenues is going to multiply in public and private sectors due to IoE deployment together with a big contribution to the well-being of people. IoE is based on near Internet ubiquity and includes three types of connections: machine-to-machine, person-to-machine and person-to-person. Machine-to-Machine is closely related to security, including civil security (e.g., security in the road, disaster alert, etc.) and military security. Person-to-Machine communication brings an unquestionable increase of well-being in home automation systems but also is fundamental for intelligent parking, patient monitoring and disaster response, among others. At last, person-to-person connection is already changing the inter-personal relations, which are becoming more multimedia and located in the social networks. IoE will increase the scenarios of person-to-person networked communication as, for example, telework, networked learning and telemedicine. In this context, this book aims at presenting the current state-of-the-art research and future trends on various aspects of IoE. The major subjects of the book will cover methodologies, modeling, analysis and newly introduced mobile technologies.

Topics of interest include but are *not limited* to:

- Emerging trends of context awareness in the IoT
- Ambient information gathering and modeling
- Context reasoning/extraction from large-scale data and signals

- Crowd sensing
- Energy efficiency
- IoT interfaces
- Personal activity recognition
- QoS in the heterogenous IoT
- Emotion recognition
- Personal/M2M awareness in environments
- Active authentication
- IoT through terrestria/satellite networks
- E/M-health applications and architectures
- Social information understanding/enhancing social interaction among peers/mobile social networks
- User mobility patterns
- VANets in IoT architectures
- IoT programming and APIs issues/concepts and architectures

We strongly welcome other topic suggestions, dealing with IoE.

Sections of the above mentioned topics will be hosted under the following sections:

Section I — Introduction and Applications of IoE

Section II — Architectures and systems of IoE

Section III— IoE with 5G mobile technologies

Section IV— IoE and FOG computing applications

Section V— IoE-cloud oriented systems

Section VI— IoE smart resource management frameworks

Section VII— Big Data frameworks in IoE environments

Section VIII— Performance Evaluation of IoE-related systems and applications

Schedule & Deadlines

- **30th September 2015**

Chapter proposal (max. 2-pages)/Intention to submit a chapter

- **31th December 2015**

Full chapter submission via e-mail: iot.and.big.data@gmail.com and notification of acceptance and via Easychair (<https://easychair.org/conferences/?conf=beyond-iot1>)

- **31st March 2016**
Review comments
- **30th April 2016**
Submission of the revised version
- **30th June 2016**
Final acceptance notification Final manuscript
- **31st July 2016**
Final manuscript

Manuscript Preparation

- Please follow the manuscript formatting guidelines below and submit the original version (in **Microsoft word**) and or **LaTeX** format as per the guidelines (URL: [www.cs.unic.ac.cy/cmavrom/T1-book\(IoT\).zip](http://www.cs.unic.ac.cy/cmavrom/T1-book(IoT).zip)).
- Each final manuscript should be 18-25 pages long (formatted). Depending on the number of submissions, longer manuscripts will also be accepted.
- Please prepare your manuscript according to the following guidelines:
 - <http://www.springer.com/gp/authors-editors/book-authors-editors/manuscript-preparation/5636#c3324>
 - Download the Consent-to-Publish (CTP) form and along with your chapter sign, scan and submit it simultaneously. The form can be found at: [http://www.cs.unic.ac.cy/cmavrom/CTP_Mavrom_IoT5G\(CTP_put_your_name_here\).pdf](http://www.cs.unic.ac.cy/cmavrom/CTP_Mavrom_IoT5G(CTP_put_your_name_here).pdf)
- Submit the proposal of your chapter(s) via e-mail: iot.and.big.data@gmail.com and via **EasyChair**. The submission Web site is:
 - <https://easychair.org/conferences/?conf=beyond-iot1>
- Note that both (**email and via EasyChair**) submission methods should be used for cross confirmation.