

Call for Papers



International Journal of Society Systems Science

RCHI-2019: Special Issue on: "Internet of Things for Healthcare"

Guest Editors:

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Internet of Things (IoT)-enabled devices have made remote monitoring in the healthcare industry possible, unleashing the potential to keep patients safe and healthy, and allowing physicians to provide outstanding care. IoT is combined with diverse technologies such as sensors, storage, communications and computing. The applications of IoT are essential for transforming the lives of people in healthcare more than anything else.

The number of connected devices and the tremendous amount of data they collect can be a challenge for hospital IT to manage. There is also the question of how and where to keep all of this data secure, especially if it is being exchanged with other devices. The IoT world has challenges in many areas including technical, regulatory, privacy, wearability, low-power operation, market-based and socio-ethical considerations.

The main objective of this special issue is to allow researchers from academic institutions, industry and laboratories to contribute towards the design, development and deployment of healthcare solutions based on IoT technologies, standards and procedures.

The Guest Editors will be inviting substantially extended versions of selected papers presented at [Recent Trends and Challenges in Healthcare Informatics \(RCHI-2019\)](#) for review and potential publication, but are also inviting other experts to submit articles for this call.

Subject Coverage

Suitable topics include, but are not limited, to the following:

- IoT for healthcare
- Design and architecture of IoT e-health systems
- Smart sensor networking
- Health data collection, transmission and storage in IoT
- Health monitoring devices
- Healthcare communication networks
- Cloud computing
- Edge and fog computing
- Diagnostic devices
- Decision support systems in health informatics
- Assistive technologies, home monitoring
- Medical image data mining
- Mobile health and sensor applications
- Biomedical data mining
- Big data analytics
- Biomedical signal processing
- Blockchain and emerging technology
- Wearable healthcare devices
- Forensics, security, safety and privacy in e-health and IoT
- Virtual reality and human-computer interaction
- Artificial intelligence, machine learning and deep learning
- E-Health applications
- Software-defined networks

Notes for Prospective Authors

Submitted papers should not have been previously published nor be currently under consideration for publication elsewhere. (N.B. Conference papers may only be submitted if the paper has been completely re-written and if appropriate written permissions have been obtained from any copyright holders of the original paper).

All papers are refereed through a peer review process.

All papers *must* be submitted online. To submit a paper, please read our [Submitting articles](#) page.

If you have any queries concerning this special issue, please email the Guest Editors at

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Important Dates

Manuscripts due by: *20 January, 2020*

Notification to authors: *20 February, 2020*

Final versions due by: *12 April, 2020*