Special Issue on
Advanced Internet of Things and Big Data Technology for Smart Human-Care Services

CALL FOR PAPERS

Recently, the range of Internet of Things (IoT) technology could be utilized in the real world by the rapid spread of sensor devices. Various sensed information such as temperature, illumination, pressure, and object detection has become a basic point for solving solutions to complex problems that have been difficult to solve by convergence with big data. Particularly, not only the detection of human health and changes in the natural environment, but also the rapid development of the analysis and application technology are continuing. As a result, it is expected to dramatically improve the prediction of disaster and quality of life.

In order to implement IoT-based human-care technology for improving the quality of life, we aim to deal with sensor technology and communication technologies as well as big data analytics and its applications. This includes a wide range of application technologies that can be realized in real life as well as theoretical problem solving in relation to IoT.

This special issue aims to promote the dissemination of high quality research in new theories, technologies, and research related to IoT and big data technology for smart human care services and to improve advanced technology. This special issue provides academia and industry with opportunities to present theoretical and experimental research of the field system as well as new research.

Potential topics include but are not limited to the following:

- IoT architecture and framework for smart human-care services
- Software architecture and middleware in IoT
- Advanced sensor technology for smart human-care services
- Advanced communication technology for smart human-care services
- Management issues of social network big data for smart human-care services
- Machine to machine communication for smart human-care services
- Cyber physical systems for smart human-care services
- Context-awareness and location-awareness for smart human-care services
- Optimized data collection technologies for smart human-care services
- Data and knowledge mining for smart human-care services
- Reasoning with sensed data for smart human-care services
- Trust and privacy issues for smart human-care services
- Emerging IoT applications and systems for smart human-care services
- IoT solutions for well-being and active ageing

Authors can submit their manuscripts through the Manuscript Tracking System at https://mts.hindawi.com/submit/journals/js/aitb/.

Papers are published upon acceptance, regardless of the Special Issue publication date.

Lead Guest Editor
Mucheol Kim, Wonkwang University, Iksan, Republic of Korea
mucheol.kim@gmail.com

Guest Editors
Ka L. Man, Xi'an Jiaotong-Liverpool University, Suzhou, China
kalok2006@gmail.com

Nurmamat Helil, University of Minnesota Twin Cities, Minneapolis, USA
nurmamat@gmail.com

Submission Deadline
Friday, 23 February 2018

Publication Date
July 2018