CALL FOR PAPERS

Call for Special Issue Papers: Internet of Medical Things in Big Data for Pervasive Medical Care

Deadline for Manuscript Submission: May 30, 2021

Guest Editors: **Sadia Din**, *School of Computer Science, Kyungpook National University*; **Nauman Aslan**, *Department of Computer and Information Sciences, Northumbria University*; **Simon K.S. Cheung**, *The Open University of Hong Kong*; **Khondker Hasan**, *College of Science and Engineering, University of Houston*

Internet of Medical Things (IoMT) is an IoT submarket that groups all medical devices and applications capable of obtaining, analyzing, and sharing data over the internet. Among them are wearable devices, vital signs monitored at home or in health centers, and health telemonitoring.

The wide availability of networks that have become ubiquitous in everyday life enables a wide variety of biological, pharmaceutical and medical sensing applications. As the capability, accuracy, and reliability of these wireless sensors have improved, so has research on using IoMT applications such as real time continuous patient monitoring which include blood, blood products, tissue, tissue products, organs, vaccines, microbial samples, and cellular specimens. Pharmaceutical products are drugs or medicines in traditional and modern medicine. Both biological and pharmaceutical products are critical and essential in many different areas, such as in medicine, health care, pharmacies, and biotechnology, home monitoring for chronic and elderly patients, collection of long term databases of clinical data, detecting the onset of skin diseases using cameras, and evaluating heart conditions using microphones as well as a variety of other medical evaluation tasks. The aim of this special issue is to foster high quality research papers that articulate recent advancements on the subject, highlight open research issues and challenges, and indicate future directions.

We invite investigators to contribute original research articles as well as review articles.

Potential topics include, but are not limited to:

- Big data analytics of IoT based health care monitoring system
- Internet of medical things platform for e-health applications
- Big data and analytics for improving management of healthcare institutions to enhance efficiency, effectiveness and equity
- Healthcare application and social data in multi-cloud environment personalized mobile patient centric healthcare
- Decision support systems for analysis of data in pervasive medical care

- Body sensor networks in big data and beyond
- Patient tracking using IoT and big data
- Predictive big data analytics in healthcare

We also encourage submission of papers that have been published in conference proceedings, with the requirement that the authors have made significant extensions as compared to the already published version of the study. Please visit our website for the Instructions for Authors at www.liebertpub.com/big

Questions or pre-submission queries?

Please contact Lead Guest Editor Dr. Sadia Din at sadia.din@knu.ac.kr

Visit the Instructions for Authors:

www.liebertpub.com/big

Submit your paper for peer review online:

<https://mc.manuscriptcentral.com/big>