Special Issue

Artificial Intelligence for Mobile Health

Message from the Guest Editors

Big data holds the key to unlocking the next level of diagnosis support systems. Big data-based diagnosis support systems are needed to address public health problems. That data comes from sensors that measure physiological signals, such as an electrocardiogram, heart rate, electroencephalogram, electromyogram, and electrooculogram, from the human body. In order to be diagnostically relevant, the data must be communicated to a central location where it can be processed and accessed by a human expert. Effectively, this is the Internet of Medical Things that allows human experts and artificial intelligence algorithms to work cooperatively on diagnosis and treatment monitoring. Establishing that a symbiotic work relationship has the potential to improve outcomes for patients and reduce the number of years lived with disability. Today, various machine learning and deep learning techniques have been applied for big data efficiently. Thus, this Special Issue focuses on the application of advanced artificial intelligence algorithms, such as machine learning and deep learning techniques, in a mobile health setting.

Guest Editors

Prof. Dr. U Rajendra Acharya

1. International Research Organization for Advanced Science and Technology (IROAST), Kumamoto University, Kumamoto, Japan
2. Department of Electronics and Computer Engineering, Ngee Ann Polytechnic, Singapore 599489, Singapore
3. Department of Biomedical Engineering, School of Science and Technology, SUSS University, Singapore 599494, Singapore
4. Department of Biomedical Informatics and Medical Engineering, Asia University, Taichung 41354, Taiwan
5. School of Business (Information Systems), Faculty of Business, Education, Law & Arts, University of Southern Queensland, Toowoomba, QLD, Australia

Dr. Oliver Faust

College of Business, Technology & Engineering, Sheffield Hallam University, Sheffield S1 1WB, UK

Deadline for manuscript submissions

closed (16 December 2020)

Sensors

an Open Access Journal by MDPI

Impact Factor 3.5
CiteScore 8.2
Indexed in PubMed

About the Journal

Message from the Editor-in-Chief

Sensors is a leading journal devoted to fast publication of the latest achievements of technological developments and scientific research in the huge area of physical, chemical and biochemical sensors, including remote sensing and sensor networks. Both experimental and theoretical papers are published, including all aspects of sensor design, technology, proof of concept and application. Sensors organizes Special Issues devoted to specific sensing areas and applications each year.

Editor-in-Chief

Prof. Dr. Vittorio M. N. Passaro
Dipartimento di Ingegneria Elettrica e dell'Informazione (Department of Electrical and Information Engineering), Politecnico di Bari, Via Edoardo Orabona n. 4, 70125 Bari, Italy

Author Benefits

Open Access:
free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:
indexed within Scopus, SCIE (Web of Science), PubMed, MEDLINE, PMC, Ei Compendex, Inspec, Astrophysics Data System, and other databases.

Journal Rank:
JCR - Q2 (Instruments and Instrumentation) / CiteScore - Q1 (Instrumentation)