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Biosignal Sensing and Analysis for Healthcare Monitoring

Guest Editors:

Dr. Yunfeng Wu

School of Informatics, Xiamen University, Xiamen 361005, China

Prof. Dr. Behnaz Ghoraani

Department of Electrical Engineering and Computer Science, Florida Atlantic University, Boca Raton, FL 33431-0991, USA

Message from the Guest Editors

This Special Issue aims to collect original contributions or critical reviews focusing on the biological signal acquisition, processing, and analysis of healthcare monitoring and computer-aided diagnosis. The topics include, but are not limited to, sensor signal filtering, amplifying, and decomposition; computational feature extraction, physiological activity monitoring, clinical data analysis and interpretation, and machine learning algorithms for healthcare applications.

Topics of interest include, but are not restricted to:

- Biomedical signal processing and analysis;
- Data interpretation for biological processes;
- Sensor data fusion for multi-modal devices;
- Wearable or implantable sensor integration;
- Low-cost IoT applications for healthcare monitoring;
- Biological signal decomposition and reconstruction;
- Feature extraction and computing for ECG, EMG, EEG, PPG, and other physiological signals;
- Machine learning tools for healthcare data analysis;
- Artificial intelligence for computer-aided diagnosis;
- Deep learning algorithms for retinal OCT image analysis.

Deadline for manuscript submissions:

closed (20 September 2023)



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Special Issue



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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

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.

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Sensors Editorial Office
MDPI, St. Alban-Anlage 66
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