Special Issue

Smart Computing Systems for Biomedical Signal Processing

Message from the Guest Editors

In recent years, advances in biomedical sensors have increased the number of variables measured as well as the quality of the acquired signals. On the other hand, current computing architectures either process the acquired signals, aiming to extract features in search of specific patterns to identify different diseases or disabilities, or just obtain real time data for subjects monitoring. In addition, the synergic combination of advanced signal processing techniques and machine learning algorithms, enhances the extraction of relevant information from the signals even in the noisy conditions naturally present in biomedical data.

This Special Issue aims to highlight advances in biomedical sensors, including applications, methods and algorithms for signal processing, modeling and classification. Topics include, but are not limited to, signal processing- and learning-based algorithms in:

Medical imaging (CT, XR, MRI, functional)
Neurophysiological signals (EEG, MEG)
Electrophysoilogycal signals (ECG, EMG)
Human movement modeling (inertial sensors)
Body monitoring by thermal imaging
Glucose monitoring sensors

Guest Editors

Dr. Andrés Ortiz García

Prof. Dr. Juan Manuel Gorriz

Prof. Dr. Javier Ramírez

Deadline for manuscript submissions

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Sensors
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
sensors@mdpi.com

mdpi.com/journal/sensors

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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

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