



## Smart Computing Systems for Biomedical Signal Processing

Guest Editors:

**Dr. Andrés Ortiz García**

Departamento de Ingeniería de Comunicaciones, Universidad de Málaga, 29071 Málaga, Spain

**Prof. Dr. Juan Manuel Gorriz**

Department of Signal Theory, Telematics and Communications, University of Granada, 18071 Granada, Spain

**Prof. Dr. Javier Ramírez**

Department of Signal Theory, Telematics and Communications, University of Granada, 18071 Granada, Spain

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### 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)
- Electrophysiological signals (ECG, EMG)
- Human movement modeling (inertial sensors)
- Body monitoring by thermal imaging
- Glucose monitoring sensors





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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

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*Sensors* Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

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