

Special Issue

The 2nd Edition: Signal and Image Processing in Biomedical Applications Using Machine Learning

Message from the Guest Editors

In this Special Issue, prospective authors are invited to submit innovative research aimed to solve challenges in application areas such as, inter alia, clinical (diagnostic, rehabilitation, monitoring) and biomedical research (histology, anatomy, physiology) and human–machine interfacing (acquisition technologies, stimulation). Some of the encompassed data sources include, but are not limited to, the following:

- Signals: EEG, EMG, ECG, EOG, electroretinogram (ERG), evoked potentials, local field potentials, deep brain stimulation (open/closed-loop), magnetoencephalography (MEG), actigraphy, gait analysis;
- Medical imaging: X-ray, PET, CT or micro-CT, PET-CT, MRI, SPECT;
- Biological and molecular imaging: photoacoustic/coherence tomography (PAT/OCT), MRS, mass spectrometry, optical imaging, phase-contrast imaging, laser scanning confocal microscopy (LSCM);
- Human–machine interaction: wearable data (gaze, dynamics, heart rate), stimulation (touch, vision), emotion, disease, altered states (drunk, sleepiness).

Guest Editors

Dr. Luis Coelho

Prof. Dr. João Paulo Ramos Teixeira

Prof. Dr. João Paulo Pereira do Carmo

Deadline for manuscript submissions

closed (31 October 2024)



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Bioengineering
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
bioengineering@mdpi.com

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Editor-in-Chief

Prof. Dr. Anthony Guiseppi-Elie

Department of Biomedical Engineering, Texas A&M University, College Station, TX 77843, USA

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