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

Guest Editors:

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Deadline for manuscript
submissions:

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Message from the Guest Editors

Dear Colleagues,

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).



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Special Issue



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