

## Special Issue

# Biosignal Sensing Analysis (EEG, EMG, ECG, PPG) (2nd Edition)

### Message from the Guest Editor

Biosignals are produced by electrical activity arising from biological activities that take place within different tissues and organs of the human body. This Special Issue presents the most common methods that are currently used to record biosignals, with a brief description of their functionality and related applications. The topics of interest include the following:

- Biomedical signals (ECG, EEG, PPG, EDR, EMG, etc.);
- Portable monitoring;
- Continuous sleep-apnea screening in an unattended home setting;
- Detection of nightly snore events in patients with OSA;
- Wavelet in biomedical signal analysis for feature extraction;
- Multimodal brain signal processing of EEG/MEG/fMRI/fNIRS;
- Multimodal biosignal processing for body area network;
- Hybrid BCI using multimodal signals;
- Multimodal signal processing for wearable devices;
- Emerging applications of multimodal signal processing technology;
- Methodologies for multimodal fusion and integration.

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### Guest Editor

Dr. Vangelis Sakkalis

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### Deadline for manuscript submissions

closed (15 February 2026)



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### Message from the Editor-in-Chief

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### Editor-in-Chief

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