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Emerging Trends of Biomedical Signal Processing in Intelligent Emotion Recognition

Guest Editor:

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Deadline for manuscript submissions:
closed (1 February 2024)

Message from the Guest Editor

This Special Issue will focus on emerging biomedical signal processing and advanced machine learning in emotion recognition. A broad range of topics including but not limited to:

- Application of EEG, ECG, speech, and other biosignals in emotional state detection.
- Signal pre-processing, feature extraction/engineering, feature reduction/selection, and channel selection approaches in affective computing applications.
- Application of Artificial Intelligence (AI) and advanced AI methods in emotion recognition.
- Machine learning methods/advanced machine learning/deep learning algorithms in emotion recognition applications.
- Fusion algorithms (data-, feature-, or decision level) in emotion recognition applications.
- Wearable devices for affective computing applications utilizing biosignals.
- Applications of such a system in affect-related disorders such as stress, anxiety, phobia, pain, attention deficit hyperactivity disorder (ADHD), autism spectrum disorder (ASD), bipolar disorder, etc.
- Human–machine interface (HCI) and brain–computer interface (BCI)-based affective computing systems.
- Assistive devices based on emotion recognition.

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Message from the Editor-in-Chief

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