

Special Issue

Emerging Trends of Biomedical Signal Processing in Intelligent Emotion Recognition

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.

Guest Editor

Dr. Ateke Goshvarpour

Department of Biomedical Engineering, Imam Reza International University, Mashhad, Razavi Khorasan, Iran

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Brain Sciences
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
brainsci@mdpi.com

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Message from the Editor-in-Chief

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Editor-in-Chief

Prof. Dr. Stephen D. Meriney

Department of Neuroscience, University of Pittsburgh, Pittsburgh, PA
15260, USA

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