

## 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

### Deadline for manuscript submissions

closed (1 February 2024)



## Brain Sciences

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