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Physiological Signal Sensing for Mental Health Monitoring and Management

Guest Editor:

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Deadline for manuscript submissions:
closed (30 September 2023)

Message from the Guest Editor

The research topics cover mental disorders including depression, anxiety, stress-related disorders, schizophrenia, developmental disorders, dementia, sleep disturbances, and delirium. The researchs on mental health in the normal polulation are also suitable.

In the research, it is preferred to assess and discuss the interventions for ameliorating and treating the mental symptoms depending on the results of the physiological signal processing. The interventions may be physical (ex. brain stimulation), pharmacological, behavioral, and psychological. The studies using neurofeedback and brian–machine interface are welcome. Human basic studies and animal studies which aim to develop the monitoring and management systems are also appropriate.

Keywords: physiological sensors; real-time monitoring; therapeutic intervention; electroencephalogram; event-related potential; slow potential; heart rate variability; skin conductance; pupil size; gut movement; cerebral blood flow; electromagnetic stimulation; mental health

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Message from the Editor-in-Chief

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