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Mental Health Monitoring and Psychiatric Practice Using Sensors and Wearables

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Message from the Guest Editor

Dear Colleagues,

In psychiatric diagnosis and mental health management, there is an increasing need for practical objective measures in addition to psychological and behavioral assessment. This Special Issue welcomes the research utilizing biosignals using Sensors and Wearables as practical objective measures to understand the mental disturbances and to develop their treatment. Both clinical and basic studies will be accepted.

The objective measures include all types of biosignals including heart rate, heart rate variability, skin conductance, EEG, event-related potential, brain blood flow, body movement, etc.

The research targets cover psychiatric disorders including depression, anxiety, stress-related disorders, schizophrenia, developmental disorders, dementia, sleep disturbances and delirium. Research on mental health in the normal population is also welcome.

The research may discuss the ways of interventions for treating the symptoms depending on the results obtained by Sensors and Wearables. The interventions can be physical, pharmacological, behavioral and psychological. Studies employing neurofeedback and a brain-machine interface are of interest.



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Special Issue



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Message from the Editor-in-Chief

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