



Biometric Signals-Based Artificial Intelligence Technologies for Health Assessment

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Message from the Guest Editors

Biometrics have been deployed at a large scale. The main factors are: the availability of large biometric datasets, and the systematic application of effective machine learning and, more recently, deep learning models for classification.

Recently, researchers have started to develop digital biomarkers. These endeavors, however, are facing several challenges associated with the lack of sufficient training data related to e-health, the need for decision understandability by the stakeholders, and the optimal specificity and sensitivity required for these tools to be usable in practice. As a result, the artificial intelligence techniques considered in the e-health field should, among others, be based on sound transfer learning from the security context to the health one, be as interpretable as possible, and be assessed according to sound evaluation metrics.

This Special Issue aims at gathering recent interdisciplinary research advancements in artificial intelligence algorithms, particularly advanced machine/deep learning methods that harness biometric signals to develop tools for aiding diagnosis and, in general, to assess an individual's health status.





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Message from the Editor-in-Chief

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