

## Special Issue

# Human Signal Processing Based on Wearable Non-invasive Device

### Message from the Guest Editors

There are many different types of human signals, such as the photoplethysmograms, electrocardiograms, electromyograms, electroencephalograms and electrooculograms. These human signals play an important role in the diagnosis of disease. However, the workloads of medical personnel for interpreting these signals are colossal. In order to address this issue, automatic human signal processing is required. To process these human signals, signal denoising, feature extraction and classification or regression are usually required. To perform denoising, time frequency analysis approaches such as wavelet transform approaches, empirical mode decomposition approaches and singular spectrum analysis approaches are employed. To perform feature extraction, statistical approaches are employed. To perform classification or regression, neural networks or tree-based systems are employed. This Special Issue mainly focuses on proposing new methods for carrying out human signal processing and exploring new applications using human signal processing techniques.

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### Guest Editors

Prof. Dr. Wing-Kuen Ling

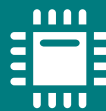
Dr. Steve Ling

Dr. Ngai Fong Bonnie Law

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### Deadline for manuscript submissions

closed (25 May 2024)



## Sensors

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### Editor-in-Chief

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