

Special Issue "Advanced Signal Processing in Intelligent Systems for Health Monitoring"

Dear Colleagues,

Recently, significant developments have been achieved in the field of artificial intelligence, in particular the introduction of deep learning technology that has improved the learning and prediction accuracy to unprecedented levels, especially when dealing with big data and high-resolution images. Significant developments have occurred in the area of medical signal processing, measurement techniques, and health monitoring such as vital biological signs for biomedical systems and noise and vibration of mechanical systems which are carried out by instruments that generate large data sets, in addition to the growth in population that has resulted in big data sets that require AI techniques to analyse and model.

In this Issue, we invite researchers to contribute original research papers or comprehensive reviews to this Special Issue on the "Signal Processing in Intelligent Systems for Health Monitoring". Your contributions will help to improve and advance methodologies to process and analyse systems data that will produce new applications of AI to develop solutions to important mechanical and biological systems.

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Prof. Dr. Jainn-Shing Shieh

Guest Editors