Special Issue

Multi-Modal Data Sensing and Processing

Message from the Guest Editors

With advances in sensing technology, increasing multi-modal data can be easily collected from different sources, which describes object and scene from different aspects. For example, in visual data processing, various sensors can capture data from a variety of domains or modalities, such as RGB and depth data, during video/image acquisition. In medial data analysis, Magnetic Resonance Imaging (MRI), positron emission tomography (PET) and Single-Nucleotide Polymorphisms (SNPs) are often used for reliable decisions. As to multi-modal data, different modalities often contain both complementary and consensus information. Fully using multi-modality information is essential for enhancing specific tasks, which derives many multi-modality learning methods. During the past few decades, although various models and networks have been put forward for multi-modality learning and gained great success, there are still many unsolved issues, which need to be further investigated. It is important to regularly bring together high-quality research and innovative works, covering multi-modal data sensing, processing, fusion and multi-modality learning models.

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Sensors is a leading journal devoted to fast publication of the latest achievements of technological developments and scientific research in the huge area of physical, chemical and biochemical sensors, including remote sensing and sensor networks. Both experimental and theoretical papers are published, including all aspects of sensor design, technology, proof of concept and application. Sensors organizes Special Issues devoted to specific sensing areas and applications each year.

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