

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 medical 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.

Guest Editors

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