Special Issue

Artificial Intelligence Using Multisensory and Multimodality Information for Healthcare Applications

Message from the Guest Editors

Modern artificial intelligence (AI) methods have achieved excellent performance in a variety of clinical applications, including but not limited to disease diagnosis, treatment response prediction, drug discovery, etc. To increase the intelligence level and performance of AI solutions in these clinical areas, it becomes crucial to comprehensively collect, understand, interpret, and integrate information from multiple sources (e.g., medical devices, imaging, electronic health records, etc.). This Special Issue aims to collect and report state-of-the-art methods that utilize multisensory and multimodality information for healthcare applications. Authors are invited to submit outstanding and original research manuscripts focusing on one of the following topics:

- Multisensory and/or multimodality information fusion.
- Novel sensory techniques or data modalities for healthcare applications.
- Machine learning methods based on multisensory and/or multimodality data.
- Feature selection or dimensionality reduction methods for multisensory and/or multimodality data.
- Uncertainty in multisensory/multimodality data.
- Multimodality image registration, segmentation and feature learning.

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Deadline for manuscript submissions

closed (31 October 2023)

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Message from the Editor-in-Chief

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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