Special Issue

Artificial Intelligence and Pattern Recognition Algorithm-Based Multimodal Data Analytics for Real-World Applications

Message from the Guest Editors

Recent years have witnessed the revolutionary development of multi-disciplinary technologies for acquiring a massive amount of multimodal data. Accelerated by a tremendous increase in multimodal data, multimodal data research has been successfully applied in many domains such as robotics, IoT, engineering, NLP and medical applications. Multimodal data analytics is an effective way to integrate and analyze data from different sources in order to obtain a more holistic understanding of the multimodal learning process, which has attracted a lot of attention in both academia and industry in recent years. However, multimodal data analytics is still faced with the following real-world challenges: manipulating, managing, mining, understanding, and visualizing different types of data. The recent advances in AI and PR techniques can help researchers to discover complex architecture in high-dimensional multimodal data to better understand the practical implications for various applications. Inspired by the advantages of AI&PR, we invite original research and review articles on the research and development in all areas of multimodal data analytics.

Guest Editors

Dr. Yugen Yi

Prof. Dr. Shaojie Qiao

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Deadline for manuscript submissions

closed (31 December 2023)

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About the Journal

Message from the Editor-in-Chief

Algorithms are the very core of Computer Science. The whole area has been considered from quite different perspectives, having led to the development of many sub-communities: Complexity theory (limitations), approximation or parameterized algorithms (types of problems), geometric algorithms (subject area), metaheuristics, algorithm engineering, medical imaging (applications), indicates the range of perspectives. Our journal welcomes submissions written from any of these perspectives, so that it may become a forum for exchange of ideas between the corresponding scientific subcommunities.

Editor-in-Chief

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