

Special Issue

Multimedia Signal Processing: Theory, Methods, and Applications

Message from the Guest Editors

This Special Issue focuses on exploring the diverse realm of multimedia signal processing, covering the various theories, methods, and applications in this dynamic field. This collection of research papers spans multiple topics, including acoustic signal processing, image processing, IoT, and machine learning.

Within acoustic signal processing, the Special Issue showcases advancements in areas such as audio coding, speech recognition, and music analysis.

Within image processing, the Special Issue highlights breakthroughs in image and video coding, content analysis, and computer vision.

Furthermore, this Special Issue acknowledges the growing influence of the Internet of Things (IoT) and machine learning in multimedia signal processing. It accepts studies on IoT-based multimedia systems, sensor data fusion, and intelligent multimedia analytics. Contributions related to machine learning algorithms for multimedia analysis, classification, and retrieval are also featured, illustrating the impact of AI techniques on multimedia signal processing.

This Special Issue aims to foster collaboration, inspire innovation, and pave the way for future advancements in multimedia signal processing.

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Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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