Special Issue

Artificial Intelligence for Multimedia Signal Processing

Message from the Guest Editors

Artificial intelligence technologies are actively applied to broadcasting and multimedia processing technologies. A lot of research has been conducted in a wide variety of fields, such as content creation, transmission, and security, and these attempts have been made to improve image, video, speech, and other data compression efficiency. This Special Issue invites topics broadly across advanced computational intelligence algorithms and technologies for emerging multimedia signal processing, some specific topics include but are not limited to:

- Signal/image/video processing algorithm for advanced deep learning;
- Fast and complexity reduction mechanism based on deep neural network;
- Protecting technologies for privacy/personalized media data;
- Advanced circuit/system design and analysis based on deep neural networks;
- Image/video-based recognition algorithm using deep neural network;
- Deep-learning-based speech and audio processing;
- Efficient multimedia sharing schemes using artificial intelligence;
- Artificial intelligence technologies for multimedia creation, processing, editing, and creating scenarios;
- Deep-learning-based web data mining and representation.

Guest Editors

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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.

Editor-in-Chief

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