Special Issue

Multidimensional Signal Processing: Advanced Technologies and Applications

Message from the Guest Editors

Multidimensional (MD) signal processing is a critical field that deals with the sensing, analysis, processing, and computation of signals with multiple dimensions. With the significant increase in the amount of data and expansive applications, MD signal processing has become a key technique in various domains, including telecommunications, image processing, video processing, speech processing, biomedical signal processing, etc. This Special Issue aims to collect advanced technologies and applications in the area of MD signal processing in various fields: compressed sensing, tensor decomposition, and deep learning algorithms for MD signal; MD image restoration including inpainting, denoising, super-resolution, and so on; MD image classification, recognition, and segmentation; MD computer vision; fast MD magnetic resonance imaging; hyperspectral imaging; big data processing in Internet of Things; and other signal processing of MD data. **Keywords**

- multidimensional signal processing
- tensor decomposition
- deep learning
- computer vision
- fast imaging
- data reconstruction

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About the Journal

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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