



Multidimensional Digital Signal Processing

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Message from the Guest Editor

Signal processing, image processing, and video processing are three research and application fields sharing the same background of digital signal processing.

The aim of this Special Issue is to focus on many signal, image, and video processing techniques and possible applications of multi-sensor/multi-technology/multi-dimensional data processing to give a large and complete view of this complex scenario.

Topics that include but are not limited to new methods, algorithms, solutions, and applications in the following areas:

- Adaptive signal processing
- Biomedical signal processing
- Communication signal processing
- Multi-dimensional signal processing
- Multimedia signal processing
- Non-linear signal processing
- Array of sensors signal processing
- Audio/video complex surveillance systems
- Action recognition and tracking
- Complex vision system for SLAM and scene modeling
- Statistical signal processing
- Machine learning for signal processing
- Complex networks in signal processing
- Real-time algorithms for multidimensional signal processing
- Hardware that is specific to multidimensional signal processing





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Message from the Editor-in-Chief

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