

## Special Issue

# Advances in Image, Signal and Video Processing

### Message from the Guest Editor

Over the last few decades, we have witnessed rapid advancements in digital technologies and their applications in different areas. The rapid developments have been possible thanks to the developments in solid-state semiconductor technology. In this Special Issue, we will focus on recent advances in signal, image and video processing. A special focus will be given to recent developments in deep neural networks and their applications in signal, image and video processing. We encourage prospective authors to submit their recent work on advancements in the applications of deep neural networks to multi-dimensional signal processing. Possible topics of interest include, but are not limited to, the following:

- Noise reduction in signals, images and video;
- Reconstruction from sparse measurements;
- Signal, image and video coding and compression;
- Feature extraction;
- Fusion of the signals from heterogeneous sensors;
- Upsampling and super-resolution;
- Perception-based quality metrics;
- Depth image and video denoising;
- Depth video super-resolution;
- Medical image processing;
- New deep neural network architectures
- For processing images and video.

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### Guest Editor

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### Deadline for manuscript submissions

closed (30 September 2023)



## Applied Sciences

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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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### Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo  
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