



## Advances in Image, Signal and Video Processing

Guest Editor:

**Dr. Ljubomir Jovanov**

IMEC-TELIN-IPI, Ghent University,  
St-Pietersnieuwstraat 41, B-9000  
Gent, Belgium

Deadline for manuscript  
submissions:

**closed (30 September 2023)**

### 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.





an Open Access Journal by MDPI

## Editor-in-Chief

**Prof. Dr. Giulio Nicola Cerullo**

Dipartimento di Fisica,  
Politecnico di Milano, Piazza L.  
da Vinci 32, 20133 Milano, Italy

## 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.

## Author Benefits

**Open Access:** free for readers, with article processing charges (APC) paid by authors or their institutions.

**High Visibility:** indexed within Scopus, SCIE (Web of Science), Inspec, CAPlus / SciFinder, and other databases.

**Journal Rank:** JCR - Q2 (*Engineering, Multidisciplinary*) / CiteScore - Q1 (*General Engineering*)

## Contact Us

---

Applied Sciences Editorial Office  
MDPI, St. Alban-Anlage 66  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/applsci](http://mdpi.com/journal/applsci)  
[applsci@mdpi.com](mailto:applsci@mdpi.com)  
[X@Applsci](https://twitter.com/Applsci)