



Advances in Image and Video Processing: Techniques and Applications

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Message from the Guest Editors

The rapid advancement of technology in recent years has led to a significant increase in the amount of image and video data generated and captured. This has made image and video processing an important area of research with a wide range of applications in various industries such as surveillance and security systems, drones and unmanned aerial vehicles, medical imaging and diagnosis, automotive and transportation systems, and entertainment.

Topics of interest for this Special Issue include, but are not limited to, the following:

- Image enhancement and restoration
- Image segmentation
- Object recognition and tracking
- Image and video compression
- Motion estimation and compensation
- Image and video watermarking
- Face detection and recognition
- Image and video super-resolution
- Generative adversarial networks for image and video synthesis
- 3D reconstruction from 2D images and videos
- Multi-view image and video processing
- Image and Video summarization
- Automated image and video annotation
- Adversarial attacks and defences in image and video processing





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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.

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