# AI-Based Image Processing

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## Message from the Guest Editors

With the rapid development of artificial intelligence, a series of artificial intelligence algorithms have been proposed, and intelligent applications have started to play an increasingly important role in industrial production and our social lives. The intersections of AI in medical image processing, image processing for intelligent transportation systems, satellite image processing, face recognition, object recognition, etc. are still challenging.

Therefore, a Special Issue on "AI-based Image Processing", focusing on tackling the most pressing problems faced by the world is organized, and more specifically, in the topics specified below:

- Image processing algorithms;
- Image analytics and generation;
- Medial image processing and biomedical image analysis;
- Image restoration and enhancement;
- Image compression;
- Edge detection;
- Image segmentation;
- Semantic segmentation;
- Image classification;
- Image inpainting;
- Image captioning;
- Feature detection and extraction;
- Content-based image retrieval;
- Optical character recognition;
- Face, emotion, and gesture recognition;
- Object recognition and tracking;

Special Issue

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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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