Machine Intelligence in Image and Video Analysis

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Message from the Guest Editors

The increasingly massive use of robots and drones in industry, and other fields, which are often equipped with various types of cameras (e.g. RBG cameras, depth cameras, thermal cameras, multispectral cameras), provides a huge amount of information, more specifically images and videos which are difficult to analyze by humans. It is therefore more imperative than ever that this analysis is carried out automatically through intelligent systems which allow a proactive control of processes.

We invite you to submit novel and original articles that allow an advancement of knowledge in the field of machine intelligence in image and video analysis.

The topics of interest for this Special Issue include but are not limited to the following:

Image and video analysis in cyber physical systems;
Applications of machine learning models in industry 4.0;
Automated machine learning;
Big data analysis;
Real-time quality control;
Image processing;
Machine vision applications;
Computer vision techniques for surface defect detection.

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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