Special Issue

Advanced Image Analysis and Processing Technologies and Applications

Message from the Guest Editors

Image analysis and processing have far-reaching applications, and data-driven technologies have sought to explore their use across various domains. From medical imaging for disease diagnosis to autonomous vehicles relying on vision systems, we have entered a new era where digital images play a pivotal role in diverse domains. This also poses new challenges due to the limited amount of data in some real cases where there is a scarcity of training data available. Therefore, this Special Issue aims to present new ideas and experimental results on pattern recognition, machine learning, computer vision, and image analysis. Potential topics include, but are not limited to, the following:

- computational imaging technology and applications;
- bio-medical image processing and applications;
- aerial image processing and applications;
- hyperspecial and multispecial image processing and applications;
- infrared and visible image processing and applications;
- model-driven methods in image processing;
- data-driven methods in image processing;
- knowledge-driven methods in image processing.

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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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