Latest Research on Computer Vision and Image Processing

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Message from the Guest Editors

Dear Colleagues,

Computer vision is an artificial intelligence discipline focused on instructing computers to comprehend and interpret visual data from the surrounding environment. By harnessing digital images captured by cameras and videos, in conjunction with deep learning algorithms, computers can proficiently discern and categorize objects, subsequently enabling them to respond to visual stimuli effectively.

Currently, this discipline is supported by the concepts of image processing, feature detection and matching by pattern recognition and driven by artificial intelligence technologies such as machine learning and deep learning, neural networks, image recognition and classification and object detection.

Research topics and application fields of interest for this Special Issue include, but are not limited to, the following:

- Augmented reality
- Vision models
- Advanced satellite vision
- 3D computer vision
- Edge computing
- Computer vision in healthcare
- Real-time computer vision

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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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