Special Issue

Deep Learning-Based Computer Vision Technology and Its Applications

Message from the Guest Editor

Convolutional Neural Networks (CNNs) enable computer vision systems to learn visual data from large datasets in order to perform tasks like object detection, recognition, and localization, texture discrimination, facial recognition, and defect detection with high accuracy. For this Special Issue, we seek high-quality original research articles regarding all aspects of computer vision. We welcome both theoretical and practical studies of high technical quality across various disciplines, with the aim of highlighting methods employed in one area that may also apply to other areas. Topics of interest include, but are not limited to, the following:

- Systems for facilitating medical diagnostics;
- Assisted surgery;
- Autonomous vehicles;
- Manufacturing (quality control);
- Security and surveillance (facial recognition, etc.);
- Agriculture (disease monitoring, crop yield assessment, etc.);
- Retail and logistics (facilitating inventory management by automating stock tracking and visual auditing within warehouses and stores);
- Moving-target indicators in synthetic aperture radar.

Guest Editor

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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.

Editor-in-Chief

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