Special Issue

Advances in Internet of Things and Computer Vision

Message from the Guest Editors

The combination of IoT and computer vision is an emerging technology known as IoT Vision. IoT vision utilizes computer vision technology to analyze and process multimedia data, such as images and videos, in IoT devices, thereby improving the efficiency and intelligence of the IoT. Specifically, IoT vision can be applied in the following domains:

- Detection and recognition: IoT devices can collect a vast quantity of image and video data, and employ computer vision technology to detect and recognize objects, faces, vehicles, etc., so as to realize intelligent monitoring, security and other functions.
- Prediction and optimization: Via the analysis and processing of multimedia data in IoT devices, a vast quantity of information and patterns can be obtained, so as to realize the prediction and optimization of production, logistics, supply chain and other processes.
- Intelligent control: IoT devices can perceive and analyze the environment and equipment status via computer vision technology, so as to realize the intelligent control of production processes and energy management.

The aim of this Special Issue is to compile recent advances and emerging trends in IoT and CV research.

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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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