Special Issue

Artificial Intelligence for Computer Vision

Message from the Guest Editor

Computer vision systems are an integral part of modern security, manufacturing, and industrial processes. They are widely used in various applications, such as automotive navigation systems, intelligent surveillance systems, robot guidance, human-assistive systems, product classification, defect inspection, and so on. There are a number of challenges in computer vision systems, such as object segmenting, object recognition, object tracking, image enhancement, LIDAR data processing, 3D scene reconstruction, and so on. Recently, Artificial Intelligence (AI)-based computer vision systems have played a crucial role in many applications. It is expected that AI will be the main approach of the next generation of computer vision research. The explosive number of AI algorithms and increasing computational power of modern computers has significantly extended the number of potential applications for computer vision. This issue focuses on computer vision research based on AI and solicits state-of-the-art research findings from both academia and industry, with a particular emphasis on novel techniques to ensure the impact of AI in computer vision research and its related applications.

Guest Editor

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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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