Special Issue

Advanced Computer Vision Techniques: Al-Based Object Detection, Tracking, Surveillance and Security Applications

Message from the Guest Editors

This Special Issue aims to explore advanced approaches in computer vision, focusing on Al-based object detection, tracking, surveillance, and security applications. We welcome the submission of papers related to image-, text-, or multimodal-based applications in computer vision and image processing from theoretical and practical perspectives. In particular, this Special Issue encourages the submission of papers focused on practical areas such as vehicles, bio-medical engineering, surveillance, etc., that outline the latest industrial and research trends. As artificial intelligence (AI) has brought about significant improvements in many aspects of human life, diverse approaches using AI techniques are of particular interest to this Special Issue. Contributions on practical implementations in areas like public safety, surveillance systems, and intelligent security systems are also encouraged. In addition to the performance of Al-based detection, tracking, recognition, etc., approaches to efficient Al models, e.g., lightweight deep learning models, are also of interest to this Special Issue.

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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 multidimensional network.

Editor-in-Chief

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