Machine and Deep Learning in Computer Vision Applications

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Message from the Guest Editors

In recent years, we have witnessed a revolutionary advance in the areas of machine learning and deep learning applied to computer vision. Machine and deep learning have always been closely related to computer vision and image processing, and used in object recognition, background subtraction, video tracking, detection, and motion estimation, in applications ranging from driverless cars to facial recognition to robotics or bioinformatics.

This Special Issue is dedicated to the presentation of novel approaches and results in machine learning and deep learning in computer vision applied scenarios, from the application of existing algorithms in diverse contexts to the development of new techniques. Submissions are invited across a range of topics related to machine and deep learning in computer vision, including but not limited to the following fields:

Transport and mobility, smart cities, medical imaging, health monitoring, sports and rehabilitation, agriculture, marine science, ecology, geology, forestry, urban/rural planning, civil engineering, smart manufacturing, industrial inspection, disaster management, climate, and atmosphere, navigation systems, etc.

Special Issue

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Message from the Editor-in-Chief

Big Data and Cognitive Computing (BDCC) is a scholarly online journal which provides a platform for big data theories with emerging technologies on smart clouds and exploring supercomputers with new cognitive applications. It is a peer-reviewed, open access journal that publishes high quality original articles, reviews and short communications. The primary aims of this journal are to encourage contributions of high quality scientific papers relating to data management and analytics in industry, such as manufacturing, healthcare, education, media and business, data mining, and cognitive science. There is no restriction on the maximum length of the papers.

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