Special Issue

Computer Visions and Pattern Recognition

Message from the Guest Editor

As an advanced pattern recognition method, deep learning has been successfully applied to many computer vision tasks, such as image classification, object detection, image segmentation, action recognition, 3D reconstruction, etc. Although many sophisticated deep learning methods have been proposed in the literature, there are still some challenges, such as a huge number of labeled samples, expensive computational resources, and lack of model explanations. To address these problems, some new methods have been proposed, such as self-supervised learning, contrast learning, knowledge distillation, and neural architecture search. This Special Issue focuses on novel deep learning methods applied to computer vision tasks. This Special Issue aims at providing a forum for researchers from computer vision, pattern recognition, and machine learning to present recent progress. More specifically, this Special Issue is seeking high-quality original contributions and high-level technical papers addressing the main research challenges related to deep learning methods in the field of computer vision.

Guest Editor

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Deadline for manuscript submissions

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Sensors is a leading journal devoted to fast publication of the latest achievements of technological developments and scientific research in the huge area of physical, chemical and biochemical sensors, including remote sensing and sensor networks. Both experimental and theoretical papers are published, including all aspects of sensor design, technology, proof of concept and application. Sensors organizes Special Issues devoted to specific sensing areas and applications each year.

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