Special Issue

Deep Learning towards Robot Vision

Message from the Guest Editor

Deep learning (DL) has attracted researchers in many scientific fields as an advanced artificial intelligent (AI) technology in recent years. The success of DL comes from its data-driven feature extraction for the high dimensional data, which is a bottle-neck problem conventionally using hand-crafted features for pattern recognition, classification, robot vision, etc. Many kinds of deep neural networks have been developed, such as AlexNet, VGG, R-CNN, GoogleNet, ResNet, DenseNet, DarkNet, etc. for image processing; however, the development of DL is still ongoing. This Special Issue, "Deep Learning towards Robot Vision", will publish full papers including survey, theory, and applications of DL for the advanced studies of robot vision. Original papers, as well as papers that have been presented at domestic and international workshops, symposiums, and conferences, will be welcomed.

Guest Editor

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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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