Special Issue

Machine Perception and Learning

Message from the Guest Editor

Machine perception and learning are highly interdisciplinary and draw on findings in neuroscience, machine learning, computer vision, and behavioral economics. The mission of this field is to enable machines to perceive and understand the real world in order for them to intelligently generate multimodal content and perform robustly in challenging tasks. Recently, researchers have started to apply a range of machine learning- and AI-based methods to a wide variety of data sources, including multispectral, camera images, live webcam streams and video data. The objective is to design efficient and accurate algorithms for the automatic extraction of semantic information from the data source. There is clear scope for the further development of such approaches to enhance the performance of associated technologies, which is the key aim of this journal, such as machine learning, deep learning, and transfer learning methods and AI models. The topics of interest include, but are not limited to:

- AI-related brain and cognitive science;
- Machine perception and human–machine interaction;
- Machine learning and data mining;
- Robotics and intelligent systems.

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.

Editor-in-Chief

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