Special Issue

Machine Learning towards Robot Vision

Message from the Guest Editor

The widespread use of robots powered by artificial intelligence (AI) and autonomous vehicles equipped with machine vision are used to perform more complex tasks, such as organizing warehouses or navigating traffic. However, these potentially transformative robotics developments are dependent on the availability of training data, AI, and advanced machine learning algorithms. In order to develop new generations of robots and autonomous vehicles, researchers investigate every aspect of robotic applications to allow robots to effectively interact with the physical world. The scope of this Special Issue includes, but not limited to, deep learning, human–computer interface, artificial intelligence, sensor planning, image processing, segmentation, 3D reconstruction, path planning, and robotic applications. In recent years, there is a huge gap between technological and industrial demands, in which the need for fully automated robots is increasing. To remove this gap, the Special Issue can provide a useful platform to satisfy industrial needs.

Guest Editor

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Deadline for manuscript submissions

closed (20 January 2024)

Machines

About the Journal

Message from the Editor-in-Chief

Machines is an international, peer reviewed journal on machinery and engineering. It publishes research articles, reviews and communications.
Our aim is to encourage scientists to publish their experimental and theoretical results in as much detail as possible. There is no restriction on the length of the papers. Full experimental and/or methodical details must be provided.
There are, in addition, unique features of this journal: Manuscripts regarding research proposals and research ideas will be particularly welcomed; Electronic files or software regarding the full details of the calculation and experimental procedure - if unable to be published in a normal way can be deposited as supplementary material.

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