Deep Learning-Based Target/Object Detection

Guest Editor:

Dr. Fan Zhang
School of Automation, Central South University, Changsha 410083, China

Deadline for manuscript submissions:
closed (31 May 2024)

Message from the Guest Editor

Target/object detection has attracted increasing attention in recent years due to its wide range of applications and recent technological breakthroughs. This task is under extensive investigation in both academia and real-world applications, such as monitoring security, autonomous driving, transportation surveillance, drone scene analysis, and robotic vision. At present, a deep learning model has been widely adopted in the whole field of computer vision, including general object detection and domain-specific object detection. Most of the state-of-the-art object detectors utilize deep learning networks as their backbone and detection networks to extract features from input images or videos for classification and localization, respectively.

This Special Issue aims to encourage leading scientists to contribute their latest advances and prospects in multi-category detection, edge detection, salient object detection, pose detection, scene text detection, face detection, pedestrian detection, etc., as well as applications in real-world scenes, but with no limitations to novel solutions that could help to improve the efficiency and effectiveness of deep learning frameworks.

Special Issue

Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo
Dipartimento di Fisica,
Politecnico di Milano, Piazza L.
da Vinci 32, 20133 Milano, Italy

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.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.
High Visibility: indexed within Scopus, SCIE (Web of Science), Inspec, CAPlus / SciFinder, and other databases.
Journal Rank: JCR - Q1 (Engineering, Multidisciplinary) / CiteScore - Q1 (General Engineering)

Contact Us