Special Issue

AI-Based Methods for Object Detection and Path Planning

Message from the Guest Editor

With the advent of advanced technology, artificial intelligence (AI) is being widely used across various domains, with significant applications in object detection and path planning, including warehousing logistics, urban transportation, military operations, automatic driving, robotics, and drones. Through the integration of advanced AI technologies, including reinforcement learning, graph neural networks, multi-agent systems, and large language models, these methods significantly enhance the accuracy, efficiency, and adaptability of object detection and path planning in complex environments.

Guest Editor

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Deadline for manuscript submissions

closed (20 April 2026)

Applied Sciences

an Open Access Journal by MDPI

Impact Factor 2.5
CiteScore 5.5

mdpi.com/si/209936

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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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