Special Issue

Applications of AI in Robotic Control Systems

Message from the Guest Editors

Artificial intelligence is being integrated into robots in order to develop advanced robotics that can perform multiple tasks and learn new things with a better perception of the environment, allowing robots to perform critical tasks with a human-like vision to detect or recognize various objects. Intelligent robots have been developed successfully using AI technologies based on machine learning and deep learning. Robotics performance is improving as higher-quality and precise machine-learning procedures are utilized to train computer vision models so that they can distinguish various things and carry out operations appropriately with the desired result. The many types of datasets used to train AI models designed for robots are welcomed in this Special Issue. AI in robotics not only aids in the learning of models to perform specific tasks, but also makes machines more intelligent to act in a variety of scenarios. In this Special Issue, original works on the theory and use of AI in robotics control systems are sought from a wide range of interdisciplinary viewpoints.

Guest Editors

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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.

Editor-in-Chief

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