Special Issue

Application of Computer Science in Mobile Robots

Message from the Guest Editors

This Special Issue seeks to provide readers with an overview and applications of computer science and its related technologies such as machine learning and their potential applications in mobile robots. The Issue is devoted to original research papers on techniques, applications, and industrial case studies of the design and deployment based on formal methods of robotic systems. The focus includes all aspects of modelling, simulation, testing, and implementation for the validation and verification of robotic systems. We seek high quality contributions of articles that advance AI along with its related technologies such as natural language processing, robotics, and machine and deep learning. We also welcome papers about incorporation of these technologies into actual products and services. Visionary papers describing futuristic applications and domain advancements are also encouraged. Potential topics of interest include, but are not limited to, the following:

- Machine learning
- Deep learning
- Neural networks
- Expert systems
- Pattern recognition
- Humanoid robots
- Space and underwater robots
- Mobile robots
- Autonomous robots
- Human–robot interaction
- Robotic automation

Guest Editors

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Deadline for manuscript submissions

closed (20 December 2022)

Applied Sciences

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CiteScore 5.3

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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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