

Special Issue

Robots with Intelligence: Developments and Applications

Message from the Guest Editor

Recent developments have demonstrated the potential of intelligent robots in a wide range of applications, including manufacturing, healthcare, rehabilitation, service, agriculture and autonomous systems.

This Special Issue aims to present the latest advances and emerging directions in intelligent robotics. We invite high-quality contributions that address novel theories, methods, technologies, and applications in this field, including but not limited to the following:

- Intelligent sensing, perception, and multimodal data fusion;
- Learning-based and adaptive control for robots;
- Human-robot interaction and collaboration;
- Cognitive architectures and decision-making in robotics;
- AI-driven planning, navigation, and task execution;
- Intelligent service, industrial, agricultural, and medical robots;
- Robotics for healthcare, rehabilitation, and assistive technologies;
- Autonomous systems in real-world and unstructured environments;
- Explainable and trustworthy AI for robotics;
- Emerging applications of intelligent robots in society.

Guest Editor

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Deadline for manuscript submissions



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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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