

Special Issue

Intelligent Robotics: Autonomous Control, Perception, and Collaboration

Message from the Guest Editor

This Special Issue will showcase the latest research developments in this exciting field. We invite contributions that explore advancements in robotic motion planning, AI-driven control systems, and sophisticated perception and sensing technologies. Submissions that highlight breakthroughs in multi-robot coordination, machine learning in robotics, and innovative control strategies for robotic systems are particularly encouraged. Authors are invited to present novel theoretical frameworks, practical applications, or experimental results that push the boundaries of robotic autonomy and collaboration. Topics include, but are not limited to:

- Motion planning and trajectory optimization for robots;
- Artificial intelligence and machine learning applications in robotics;
- Control systems for autonomous and intelligent robots;
- Perception and sensing technologies for real-time decision-making;
- Multi-robot systems and swarm robotics;
- Human-robot interaction and collaborative robotics;
- Sensor fusion, data processing, and real-time mapping for robots.

We look forward to your contributions and hope you will participate in this Special Issue.

Guest Editor

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Message from the Editor-in-Chief

You are invited to contribute either a research article or a comprehensive review for consideration and publication in *Processes* (ISSN 2227-9717). *Processes* is published in open access format – research articles, reviews, and other content are released on the internet immediately after acceptance. The scientific community and the general public have unlimited, free access to the content. As an open access journal, *Processes* is supported by the authors and their institutes through the payment of article processing charges (APCs) for accepted papers. We would be pleased to welcome you as one of our authors.

Editor-in-Chief

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