

Special Issue

Intelligent Control and Robotic Systems for Sustainable Development

Message from the Guest Editor

With the rapid development of intelligent manufacturing and smart city construction, robotic systems and intelligent control technologies are becoming core enablers for improving efficiency, reducing energy consumption, and promoting sustainable development. This Special Issue focuses on intelligent control theory, robot system design, navigation optimization, and reinforcement learning applications in sustainable scenarios. It aims to collect high-quality research on energy-efficient robot control, adaptive optimization, multi-agent coordination, and intelligent decision-making under complex environments.

Original research articles and review papers are welcome. Contributions may include, but are not limited to, the following research areas:

- Intelligent control theory for sustainable automation;
- Intelligent navigation, path planning, and motion optimization;
- Robotics for smart cities and intelligent transportation systems;
- Robotics for environmental monitoring and ecological protection;
- Intelligent control for renewable energy and smart energy systems;
- Sustainable agricultural robotics and resource-efficient robotic operations.

Guest Editor

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Message from the Editor-in-Chief

I encourage you to contribute a research or comprehensive review article for consideration for publication in Sustainability, an international open access journal which provides an advanced forum for research findings in areas related to sustainability and sustainable development. The journal publishes original research articles, reviews, conference proceedings (peer reviewed full articles) and communications. I am confident you will find the journal contributes to enhancing understanding of sustainability and fostering initiatives and applications of sustainability-based measures and activities.

Editor-in-Chief

Prof. Dr. Steve W. Lyon
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