

Special Issue

Advanced Control and Robotic System in Path Planning

Message from the Guest Editor

This Special Issues aims to collate novel efficient techniques in the context of the path planning and control of autonomous robot systems for both single-robot and multi-robot systems with a special emphasis on current DL trends. We also aim to create the opportunity to provide an overview of the latest developments in these fields, including expertise from both researchers and practitioners. Review papers are also welcome. Topics of interest include, but are not limited to, the following:

- Control in automation, mechatronics, and robotics;
- Applications of deep reinforcement learning on control systems;
- Application of machine vision techniques for path planning;
- Application of the latest DNN techniques for control and path planning;
- Intelligent and adaptive path planning for autonomous systems;
- Related topics involving path planning and control;
- Modern advanced control systems with applications;
- Optimized control for autonomous systems;
- Other machine learning approaches in path planning and control applications.

Guest Editor

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closed (16 January 2024)



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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.

Editor-in-Chief

Prof. Dr. Antonio J. Marques Cardoso
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