

## Special Issue

# Recent Trends in Robot Motion Planning and Control

### Message from the Guest Editors

The emergence of robots has brought great convenience to people's lives in the fields of manufacturing, assembly, rehabilitation, assistance, and others. As an interplanetary topic, the blossoming of robots involves advances in electronics, mechatronics, control engineering etc. Motion planning and control problems are essential in robot development for achieving optimal movement and interaction with the environment and/or humans. This Special Issue intends to cover recent developments in robotics regarding motion planning and control that are related to dynamic modelling, path planning, machine learning, optimization, model-based control, robot navigation, human-machine interfaces etc., such that safe and reliable operation can be achieved.

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### Guest Editors

Dr. Meng Yuan

Dr. Ye Wang

Dr. Lei Li

Prof. Dr. Wei Tech Ang

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### Deadline for manuscript submissions

closed (15 June 2023)



## Machines

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### 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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### Editor-in-Chief

Prof. Dr. Antonio J. Marques Cardoso  
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