

## Special Issue

# Multi-Robot Systems and Their Applications

### Message from the Guest Editors

Robotics researchers are aware that certain tasks are more efficiently performed by a group of robots acting cooperatively rather than a single robot. This is due to the inherent characteristics of the task to be performed or the associated cost if performed by a specialized robot. As an analogy with biological systems, there are several communities in nature that work cooperatively and are able to group, disperse and/or move collectively, using simple control rules. This is the case, for example, with ants, bees, birds, and fish. To address this type of navigation problem, in the context of robotics, this Special Issue is dedicated to publishing research papers, communications, and review articles proposing solutions for problems that are more efficiently solved by a group of robotic agents, such as collective entertainment games, cargo transportation, search and rescue missions, mapping, the surveillance of large areas, and even space exploration. This Special Issue aims to attract the state-of-the-art in the theory of multi-robot systems and their applications. It is my great pleasure to invite you to submit a manuscript for this Special Issue.

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### Guest Editors

Dr. Alexandre Brandão

Dr. Martin Saska

Dr. Pedro Castillo Garcia

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### Deadline for manuscript submissions

closed (30 May 2023)



## Applied Sciences

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## About the Journal

### Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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### Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo  
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