Special Issue

Recent Advances in Swarm Robotics

Message from the Guest Editor

This special issue aims to provide research work on base algorithms for the emergence of complex swarm robotics behaviors, providing novel solutions and discussions for future trends in the field. Local, situated, and embodied communication, as well as stigmergy, have a special role in laying the foundations of these algorithms. The topics of interest of the special issue include, but are not limited to the following:

- Distributed communication
- Dynamic task allocation
- Aggregation
- Pattern formation
- Collective movement
- Division of labor
- Leadership paradigms
- Clustering
- Self-organization
- Cooperative control
- Distributed sensing
- Distributed action
- Distributed localization
- Object localization
- Swarm synchronization
- Fault tolerance

Guest Editor

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Deadline for manuscript submissions

closed (1 March 2021)

MDPI

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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