Mobile Robots Navigation

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Message from the Guest Editors

Navigation is one of the fundamental abilities that mobile robots must be endowed with, so that they can carry out high-level tasks autonomously, in a specific environment.

The aim of this Special Issue is to present current frameworks in these fields and, in general, approaches to any problem related to the navigation of mobile robots. In this way, this Special Issue invites contributions to the following topics (but it is not limited to them):

- Map-based navigation
- Landmark-based navigation
- Algorithms and methods for navigation
- Data fusion for mobile robot navigation
- Deep learning in mobile robot navigation
- Vision-based mobile robot navigation
- Motion control
- Localization and environment modelling
- Applications of mobile robot navigation

Special Issue

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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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