Special Issue

Advanced Mobile Robotics

Message from the Guest Editor

Mobile robotics is a challenging issue as it is a multidisciplinary field covering electrical engineering, mechanical engineering, computer science, cognitive science and social science. It is involved with the design of automated robots in mobility, in combination with artificial intelligence, vision and sensor technologies. Mobile robots are widely used for surveillance, guidance, transportation and entertainment tasks, as well as medical applications, and provide an emerging market with great potential. To address such challenges, this Special Issue intends to handle some recent development of mobile robots and their research, and also to enhance studies on the fundamental problems observed in mobile robots. Various multidisciplinary approaches or integrative contributions including navigation, learning and adaptation, networked system, biologically inspired robots and cognitive methods are also welcome to this Special Issue from a research perspective and an application perspective. Keywords:

- Mobile Robots
- Navigation
- Vision
- Networked Robots
- Biorobotics
- Cognitive Robots

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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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