

Special Issue

Recent Advances in Autonomous Systems and Robotics, 2nd Edition

Message from the Guest Editor

To cope with non-programmed or non-preset situations, autonomous technology can use multi-source sensors and complex software to make systems with limited or no communication endure for long periods, and these systems can automatically adjust to an unknown environment, independently complete tasks, and maintain good performance. Autonomous systems and robotics are interdisciplinary fields involving real-time detection, information processing, comprehensive analysis, intelligent judgment, robust control, etc. With the continuous improvement of technical complexity, the possibility of system failure, vulnerability, and overall loss of function will also increase.

The aim of this Special Issue is to celebrate the recent advances in autonomous systems and robotics and to promote the exchange and development of modern technologies, methods, and theories. We welcome authors to submit original research papers, perspectives, reviews, and mini-reviews. Areas to be covered in this Special Issue may include, but are not limited to, machine vision; machine learning and deep learning; artificial intelligence technology; fault detection and diagnosis; and intelligent robots.

Guest Editor

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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.

Editor-in-Chief

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