

Special Issue

Artificial Intelligence(AI) in Robotics

Message from the Guest Editors

Robotic technology has played a key role in a number of areas, including daily life, industrial applications and medical applications. Artificial intelligence, in particular, machine learning, is crucial and important for intelligent robots or unmanned/autonomous systems, such as UAVs, UGVs, UUVs, cooperative robots, etc. For human beings, capabilities such as perceiving visual information, adapting to uncertain environments and making decisions to take action in a complex system make people distinct from animals. Significant progress has been made towards human-like intelligence in robotics; however, there are still many unresolved problems. In recent decades, techniques such as deep learning, reinforce learning, real-time learning, swarm intelligence and other emerging techniques such tiny-ML have been developed, which have been applied in robotics. We believe that the increasing demands and challenges posed by real-world problems involving robotic applications promote academic research of artificial intelligence as well as robotics.

Guest Editors

Prof. Dr. Hongbin Ma

School of Automation, Beijing Institute of Technology, Beijing 100081, China

Prof. Dr. Charlie Yang

Department of Computer Science, University of Liverpool, Liverpool L69 3BX, UK

Deadline for manuscript submissions

closed (29 February 2024)



Applied Sciences

an Open Access Journal
by MDPI

Impact Factor 2.5
CiteScore 5.5



mdpi.com/si/134932

Applied Sciences
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
applsci@mdpi.com

mdpi.com/journal/

[applsci](https://mdpi.com/journal/applsci)





Applied Sciences

an Open Access Journal
by MDPI

Impact Factor 2.5
CiteScore 5.5



[mdpi.com/journal/
applsci](https://mdpi.com/journal/applsci)



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.

Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo
Dipartimento di Fisica, Politecnico di Milano, Piazza L. da Vinci 32,
20133 Milano, Italy

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within Scopus, SCIE (Web of Science), Ei Compendex, Inspec, Embase, CAPIus / SciFinder, and other databases.

Journal Rank:

JCR - Q2 (Engineering, Multidisciplinary) / CiteScore - Q1 (General Engineering)