

Special Issue

Robot Learning: Mapping from Perception to Action

Message from the Guest Editor

Today, robots have become widespread in various fields, such as manufacturing, medical treatment, service, agriculture, and even entertainment applications. Due to the increasingly complex tasks, robots have evolved into part of an integrated system, instead of merely a tool. Manual and fixed programming are inadequate to cope with the challenge, which leads to growing interest in applying machine learning and statistics approached in the robotics community. Equipped with advanced learning algorithms, robots are able to better observe and imitate human behavior, autonomously master new skills, and adapt to different environments. This Special Issue is set to present new advances in the field of robot learning, including computer vision, natural language processing, reinforcement learning technologies, distributed learning and optimization, etc., and to explore the untapped potential of robots today.

Guest Editor

Prof. Dr. Guanghui Wen

Department of Systems Science, School of Mathematics, Southeast University, Nanjing 210096, China

Deadline for manuscript submissions

closed (31 December 2022)



Robotics

an Open Access Journal
by MDPI

Impact Factor 3.3
CiteScore 7.7



mdpi.com/si/97628

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

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





Robotics

an Open Access Journal
by MDPI

Impact Factor 3.3
CiteScore 7.7



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



About the Journal

Message from the Editor-in-Chief

It is my great pleasure to welcome you to our open access journal, *Robotics*, which is dedicated to both the foundations of artificial intelligence, bio-mechanics and mechatronics, and the real-world applications of robotic perception, cognition and actions. The 21st century is the robotics century and intelligent robots will change our lifestyle forever. Let us work together toward the realization of intelligent robots step by step. It is great fun to create intelligent robots and imagine their practical applications. *Robotics* is now ready to serve you in the long journey towards such a goal.

Editor-in-Chief

Prof. Dr. Marco Ceccarelli

LARM2: Laboratory of Robot Mechatronics, Department of Industrial Engineering, University of Rome Tor Vergata, Via del Politecnico 1, 00133 Roma, Italy

Author Benefits

Open Access:

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

High Visibility:

indexed within Scopus, ESCI (Web of Science), dblp, Inspec, and other databases.

Journal Rank:

JCR - Q2 (Robotics) / CiteScore - Q1 (Control and Optimization)