

## Special Issue

# Application and Optimal Control of Vision Robot System

### Message from the Guest Editor

Dear Colleague, Recent research in the field of robotics aims to use auxiliary sensors to help improve the robustness, flexibility, and accuracy of the control system. The information obtained from sensors is used as feedback in the system control loop. In recent years, a manifold of sensor types has been developed to perform specific tasks which vary in their features and operation design. Due the fact that industrial systems are becoming increasingly more interconnected, the current control schemes need to be updated in order to deal with the system dynamics, system faults, etc. In recent years, there has been increased research attempting to make steps toward the design and development of high-performance and autonomous robotic systems by means of control strategies able to achieve optimal performance at all times and in all circumstances with minimum user interaction. We welcome any contributions within the general scope of the Special Issue theme “Applications and Optimal Control of Vision Robot Systems”.

---

### Guest Editor

Dr. Cosmin Copot

Department of Electromechanics, University of Antwerp, Antwerp, Belgium

---

### Deadline for manuscript submissions

closed (15 November 2021)



## Robotics

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.3  
CiteScore 7.7



[mdpi.com/si/59281](https://mdpi.com/si/59281)

*Robotics*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[robotics@mdpi.com](mailto: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)