



an Open Access Journal by MDPI

# **Bio-Inspired Service Robots**

Guest Editors:

## Dr. Cecilia García Cena

Department of Electronics, Automation and Computer Science, Universidad Politécnica de Madrid, Madrid, Spain

#### Dr. Carlos Rengifo-Rodas

Department of Electronics, Instrumentation and Control, Universidad del Cauca, Popayán, Colombia

#### Dr. Jose Baca

Department of Engineering, College of Engineering and Computer Science, Texas A&M University, Corpus Christi, TX, USA

Deadline for manuscript submissions: **30 September 2024** 

### Message from the Guest Editors

Dear Colleagues,

Nature is a rich source of inspiration that can be replicated in robotics in order to enhance their capabilities and broaden the scope of robotic applications.

Designing and developing robots to mimic the evolutionary processes of various life forms, including humans, presents both a challenge and an opportunity to enhance their morphology, behavior, and interactions with other entities (be they other robots or living beings) as they strive to achieved their goals.

In this Special Issue, we welcome articles that include research and development of novel robotics mechanisms, applications, or behaviors (control and/or interaction) in any environment (water, earth, air, or space) under the broad concept of bio-inspiration.

Dr. Cecilia García Cena Dr. Carlos Felipe Rengifo-Rodas Dr. Jose Baca *Guest Editors* 



mdpi.com/si/198976







an Open Access Journal by MDPI

#### **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

#### 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.

### **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:** CiteScore - Q1 (*Control and Optimization*)

### **Contact Us**

*Robotics* Editorial Office MDPI, St. Alban-Anlage 66 4052 Basel, Switzerland Tel: +41 61 683 77 34 www.mdpi.com mdpi.com/journal/robotics robotics@mdpi.com X@RoboticsMDPI