



Selected Papers from the 15th International Symposium on Applied Computational Intelligence and Informatics (SACI 2021)

Guest Editors:

Prof. Dr. Levente Adalbert Kovács

PhysCon Lab., University
Research and Innovation Center,
Óbuda University, 1034
Budapest, Hungary

Prof. Dr. Radu-Emil Precup

Department of Automation and
Applied Informatics, Faculty of
Automation and Computers,
Politehnica University of
Timișoara, Bulevardul Vasile
Pârvan, Nr. 2, 300223 Timișoara,
Romania

Deadline for manuscript
submissions:

closed (30 September 2022)

Message from the Guest Editors

Dear Colleague,

Technology development unfolds in megatrends these decades, transforming individuals and society alike. The Internet of Things, Cloud Robotics, Industry 4.0, and agile Cyber-Physical Systems show how these transformations occur. The fundamental engineering concepts behind this are rooted in academic research, often presented at the major scientific conferences of the community. This Special Issue is a collection of the newest research results based on the selected presentations at the 15th IEEE International Symposium on Applied Computational Intelligence and Informatics (SACI 2021). Non-SACI papers are welcome on topics that are related but not limited to the following areas:

- Robotics and AI;
- Machine Learning and Computational Intelligence;
- Intelligent Mechatronics;
- Intelligent Manufacturing Systems;
- Intelligent Robot Control.

Prof. Dr. Levente Kovács

Prof. Dr. Radu-Emil Precup

Guest Editors





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: JCR - Q2 (*Robotics*) / CiteScore - Q1 (Mechanical Engineering)

Contact Us

Robotics Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/robotics
robotics@mdpi.com
[X@RoboticsMDPI](https://twitter.com/RoboticsMDPI)