



## **Machine Learning Based Methods for Safety and Control of Human–Robot Interaction**

Guest Editors:

**Dr. Abdel-Nasser Sharkawy**

**Dr. Panagiotis N.  
Koustoumpardis**

**Prof. Dr. George  
Nikolakopoulos**

**Prof. Dr. Giuseppe Carbone**

**Dr. Med Amine Laribi**

Deadline for manuscript  
submissions:  
**closed (30 June 2023)**

### **Message from the Guest Editors**

Human–robot Interaction (HRI) research concerns the understanding, design, and evaluation of robotic systems for use by or with humans, and could improve the efficiency of both human and robot systems.

The focus of this Research Topic is on applying machine learning algorithms, such as supervised learning, unsupervised learning, and reinforcement learning, to the following (and other) topics:

- Human–robot collaboration
- Advanced control methods for HRI and HRC
- Admittance/impedance control
- Collision detection and reaction
- Rehabilitation applications
- Human–robot system
- Innovative robotic architectures
- Safety-related issues
- Variable stiffness joint
- Passive/active compliance





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6201-001 Covilhã, Portugal

## Message from the Editor-in-Chief

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There are, in addition, unique features of this journal: Manuscripts regarding research proposals and research ideas will be particularly welcomed; Electronic files or software regarding the full details of the calculation and experimental procedure - if unable to be published in a normal way can be deposited as supplementary material.

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*Machines* Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

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