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Digital Twins in Robotics

Guest Editors:

Dr. Giacinto Barresi

Rehab Technologies Lab, Istituto Italiano di Tecnologia, Via Morego, 30, 16163 Genoa, Italy

Dr. Dejiu Chen

Department of Machine Design, KTH Royal Institute of Technology, SE 100 44 Stockholm, Sweden

Prof. Dr. Giuseppe Carbone

Department of Mechanical, Energy and Management Engineering, Università della Calabria, 87036 Rende, Italy

Deadline for manuscript submissions:

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Message from the Guest Editors

Dear Colleagues,

This Special Issue aims to collect and organize the literature on novel approaches, cases, and investigations on “Digital Twins in Robotics”. We welcome the submission of any type of paper on topics such as:

1. Digital twins in robotics and related infrastructures for simulation and modeling;
2. Applications of Internet of Things, big data, and extended reality to digital twins in robotics;
3. Applications of wearable technologies and computing to digital twins in robotics;
4. Digital twins in robotics and cobotics for industrial applications;
5. Digital twins in robotics for healthcare, surgery, assistance, rehabilitation, and prosthetics;
6. Digital twins in robotics for education and training;
7. Interacting with digital twins (and Phygital twins) in robotics;
8. Digital twins in human–robot interaction design and robot ergonomics;
9. Ethical and legal issues of digital twins in robotics.

Dr. Giacinto Barresi

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Prof. Dr. Giuseppe Carbone

Guest Editors





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Editor-in-Chief

**Prof. Dr. Antonio J. Marques
Cardoso**

CISE—Electromechatronic
Systems Research Centre,
University of Beira Interior,
Calçada Fonte do Lameiro, P-
6201-001 Covilhã, Portugal

Message from the Editor-in-Chief

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Our aim is to encourage scientists to publish their experimental and theoretical results in as much detail as possible. There is no restriction on the length of the papers. Full experimental and/or methodical details must be provided.

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
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
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