

Special Issue

Robotization of Machining Processes: Theory and Industrial Applications

Message from the Guest Editors

The robotization of mechanical machining processes is an area of robot application that has been developed for many years. The use of robots mainly concerns processes that require high maneuverability and the control of interaction forces during machining. Although there are robot control strategies and algorithms dedicated to mechanical processing, many processes require a non-standard approach, e.g., in the aerospace industry. At the same time, there are many theoretical solutions for the robotization of machining that unfortunately require very strict conditions. The purpose of this Special Issue is to present the latest developments in robotic machining that have both theoretical background and utilitarian value confirmed by real applications or even preliminary laboratory tests. New ideas on all aspects of robotic machining, such as modeling, control, vibration reduction, soft computing, process monitoring, or economic aspects, are welcome.

Guest Editors

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Deadline for manuscript submissions

closed (31 December 2021)



Robotics

an Open Access Journal
by MDPI

Impact Factor 3.6
CiteScore 7.4



mdpi.com/si/78244

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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

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