



machines

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Intelligent Mechatronics, Automation, Control Systems

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submissions:
closed (30 November 2022)

Message from the Guest Editors

Dear Colleagues,

Robotics and mechatronics have achieved rapid development and been widely used in many applications, such as in assistance, manufacturing, etc. The types of robotics and mechatronics include exoskeleton, machines, and automation systems. The rapid development of the market has put forward higher requirements for robotics and mechatronics in various aspects, including intelligence, perception, control, autonomy, and so on.

The main objective of this Special Issue is to bring together researchers from both the academia and industry areas to present recent advancements and challenges in the field of robotics and mechatronics, including mechanical design and kinematics modeling, state-of-the-art perception and sensing systems, artificial intelligence algorithms, and human–robot interaction in the related scenarios, advanced control methods to enhance robots' autonomy, and challenges. Furthermore, the combination of theories, new techniques, scientific and engineering solutions, prospects for future research, and applications in medical robotics will also be provided.



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Special Issue



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Message from the Editor-in-Chief

Machines is an international, peer reviewed journal on machinery and engineering. It publishes research articles, reviews and communications.

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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