

Special Issue

Biped Robotics: Bridging the Gap Between Humans and Machines

Message from the Guest Editor

This Special Issue explores the latest advancements in biped robot design, control systems, and applications. It highlights the interdisciplinary nature of the field, encompassing mechanical engineering, computer science, artificial intelligence, biomechanics, and materials science. This Special Issue delves into innovative approaches to achieving human-like balance, agility, and adaptability in robots. Key topics include advancements in actuators and sensors, the integration of machine learning algorithms for improved movement and decision-making, and the potential societal impacts of widespread biped robot adoption. Additionally, this Special Issue examines the integration of additive manufacturing and biomaterials, which enhance the structural and functional capabilities of biped robots.

Guest Editor

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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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