

Special Issue

Kinematics and Dynamics of Mechanisms and Machines

Message from the Guest Editors

Traditionally, kinematics and dynamics for mechanisms and machines have been limited to rigid body motion constrained by clearance-free joints. The integration of emerging technologies into traditional mechanism and machine sciences can be regarded as an important trend. Therefore, this Special Issue will be devoted to the exchange of technical and scientific information on theory and practice regarding the modernization of mechanical, mechatronic, and robotic systems. The topics will cover the state-of-the-art research on mechanism synthesis and analysis, theoretical and computational kinematics, compliant mechanisms, origami-based engineering design, motion planning, dynamics, the control of robots, medical and rehabilitation robotics, novel mechanisms, robots, applications, and mechanism-based metamaterials. We seek submissions with original perspectives and transformational breakthroughs on the aforementioned themes.

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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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