

Special Issue

Mathematics in Robot Control for Theoretical and Applied Problems

Message from the Guest Editors

A growing interest toward robots, a special class of mechanical systems, as well as fear and perplexity in relation to the impact that these systems have in the world of productivity, and then ultimately their social impact, has been witnessed in recent years. Future robotics represent a tremendous challenge in the field of mathematics because of the central role their control plays in the context of this field. In fact, robot control is one of the most important and challenging topics for mathematicians, engineers, physicians, and practitioners. Mathematical issues are the kernel of the design of control of movements and performance of robots. This Special Issue aims to collect the latest advancements of mathematical methods for solving not only theoretical but also applied problems of classical and also modern robot structures, such as robotic manipulators, walking robots, flexible robots, haptic robots, and any kind of old and new mechanisms with all possible tasks, in grasp, manipulation, and motion for any kind of their possible issues and applications.

Guest Editors

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Deadline for manuscript submissions

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About the Journal

Message from the Editor-in-Chief

The journal *Mathematics* publishes high-quality, refereed papers that treat both pure and applied mathematics. The journal highlights articles devoted to the mathematical treatment of questions arising in physics, chemistry, biology, statistics, finance, computer science, engineering and sociology, particularly those that stress analytical/algebraic aspects and novel problems and their solutions. One of the missions of the journal is to serve mathematicians and scientists through the prompt publication of significant advances in any branch of science and technology, and to provide a forum for the discussion of new scientific developments.

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