Special Issue

Kinematically Redundant Robots: Sensing and Control

Message from the Guest Editors

In general, kinematically redundant robots have more degrees of freedom than are necessary to perform required tasks. Kinematically redundant robots have the potential to be applied in many fields from industrial applications through service tasks to medical applications. This Special Issue is closely connected with mechanisms such as snake robots, redundant manipulators, elephant´s trunk robots, continuum robots, soft robots, humanoid robots, surgical robots, and others. Considering the kinematic aspects of these mechanisms, they have the great ability to be flexible and adaptable to the rough, dangerous, rugged, and inaccessible spaces, where conventional mechanisms fail or cannot be used. This Special Issue, therefore, aims to put together original research and review articles on recent advances, technologies, solutions, applications, and new challenges in the field of redundant robots. For detailed information, please visit here.

Guest Editors

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Deadline for manuscript submissions

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Sensors is a leading journal devoted to fast publication of the latest achievements of technological developments and scientific research in the huge area of physical, chemical and biochemical sensors, including remote sensing and sensor networks. Both experimental and theoretical papers are published, including all aspects of sensor design, technology, proof of concept and application. Sensors organizes Special Issues devoted to specific sensing areas and applications each year.

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