Kinematically Redundant Robots: Sensing and Control

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Message from the Guest Editors

Dear Colleagues,

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.

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Special Issue

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Message from the Editor-in-Chief

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