



Advances in Mechanism Design for Robots

Guest Editor:

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Message from the Guest Editor

Dear Colleagues,

Robots are mechatronic systems of which functionalities and tasks are related to mechanical actions either with humans or with other systems. Therefore, the mechanical design can be considered fundamental to ensure the proper performance that are expected by a robot in an assigned task. In this Special Issue we have directed the main attention to the design and development of the mechanical design of robots by looking at the advances in solutions and procedures that can provide enhancements in robot structures and their functionalities even in new areas of application. Papers are solicited not only in the following topics that are related to robot structures and architectures:

- Mechanism designs
- Kinematics of robots
- Robot path planning
- Prototypes
- Experimental evaluations
- Applications
- Control mechanisms
- Multi-body dynamics design
- Design procedures
- CAD design and simulations





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