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Dynamics and Control System Design for Robot Manipulation

Guest Editor:

Prof. Dr. Qirong Tang

Laboratory of Robotics and
Multibody System, Tongji
University, Shanghai 201804,
China

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Message from the Guest Editor

Dear Colleagues,

Robotic systems are driving technological innovation and transforming manufacturing and service industries. The key to advancing these systems lies in the exquisite design of dynamics and control mechanisms that enable robots to perform tasks with precision, adaptability, and efficiency. As the cornerstone of robotics, designing dynamics and control systems involves integrating various sensors and actuators to ensure accurate and reliable robot operations and provide essential feedback for navigation, manipulation, and interaction tasks. These sensors allow robots to perceive their environment, adapt to real-time changes, and execute complex actions autonomously.

This Special Issue aims to explore cutting-edge research and developments that drive the creation of highly capable and intelligent robotic systems.



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Special Issue



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Prof. Dr. Vittorio M. N. Passaro

Dipartimento di Ingegneria
Elettrica e dell'Informazione
(Department of Electrical and
Information Engineering),
Politecnico di Bari, Via Edoardo
Orabona n. 4, 70125 Bari, Italy

Message from the Editor-in-Chief

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Sensors Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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