

Special Issue

Advanced Actuation and Control in Intelligent Robots and Autonomous Systems

Message from the Guest Editors

This Special Issue focused on the design, integration, and optimization of actuation and control mechanisms in autonomous and robotic platforms.

Guest Editors

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Deadline for manuscript submissions

31 January 2026



Actuators

an Open Access Journal
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Impact Factor 2.3
CiteScore 4.3



mdpi.com/si/249815

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About the Journal

Message from the Editorial Board

We are just entering the Next Wave of Technology (NWT) where actuators will play the same role as the computer chip did for computers/social media approximately four decades ago. Just in the U.S., production of \$1 trillion year of electromechanical systems (vehicles, orthotics, manufacturing cells, freight trains, aircraft, etc.) will be impacted by the NWT, all driven by actuators. Five key trends can be found for the future perspectives: “Performance to Reliability”, “Hard to Soft”, “Macro to Nano”, “Homo to Hetero” and “Single to Multi functional”. We invite papers that primarily impact these economic sectors; those illustrating basic scientific principles are also welcome.

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