



Actuators in Robotic Control: Volume II

Guest Editor:

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Message from the Guest Editor

Dear Colleagues,

Robotic control is the system that contributes to the movement of robots. Robotics could be controlled in various ways, including using manual control, wireless control, semi-autonomously (a mix of fully automatic and wireless control), and fully autonomously (using AI to move alone, with the potential option of manual control). In the present day, as technological advancements progress, robots and its methods of control continue to develop and advance.

Actuation, such as electric, hydraulic, pneumatic, etc., is often called the muscles of robots. To ensure that all of the components of a robot are soft and flexible, actuators should provide their movements in limited spaces and change gaits fairly easily. New actuator designs, control techniques, and integration techniques for robots have been developed to satisfy sophisticated demands. Innovation in actuators is one of the most important subjects for next-generation robotics.

This Special Issue will focus on progress in actuators in robotic control in different applications. Original papers and survey papers are welcome.

Prof. Dr. Chih Jer Lin
Guest Editor

