



Actuators Technologies for the Next Generation of Robots and Industry

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Message from the Guest Editors

Dear Colleagues,

Actuators are crucial components in any mechatronic system, have experienced major growth throughout the years, especially given the increasing demands on human–robot interaction systems for different applications, such as industry, rehabilitation robotics, social robots, and smart structures. In this context, novel actuator technologies such as soft actuators (including polymeric, fluidics, and series elastic actuators) and others compliant actuators have been proposed with varying degrees of success. This Special Issue invites contributions dealing with the research and development of compliant actuators—including design, control, applications, and modeling—which constitute the backbone of the next generation of robots and industry.

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