



Soft Actuators for Artificial Muscles

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Message from the Guest Editors

Dear Colleagues,

With expanding interest in soft robotics as a human-safe counterpart of traditional industrial robotics, the field of soft actuators working as artificial muscles to actuate these machines has been subject to intense research in the last two decades. The range of actuators capable of mechanical response to various kinds of stimuli has become extensive, covering the vast spectrum of interesting properties utilizable in soft robotics applications.

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This Special Issue aims to attract papers devoted to any aspect of artificial muscle (AM)-related research, ranging from their design as well as the design of AM-actuated mechanisms to their modeling and/or control, including pneumatic soft actuators (fluidic muscles, PAMs), polymeric actuators (DEAs and IPMC), shape memory alloys, stimuli-responsive gels, magnetostrictive actuators, and more.

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