Special Issue

Modelling and Motion Control of Soft Robots

Message from the Guest Editors

Soft robots and devices exploit deformable materials that can change their shape to allow conformable physical contact for controlled manipulation. In this context, we are delighted to announce a new Special Issue, entitled “Modelling and Motion Control of Soft Robots”, which will address significant and emerging developments in the modelling and control of soft actuators and robots, and their applications. This Special Issue will collect a coherent ensemble of original and inspiring articles, communications, and reviews emphasizing the following topics:

- New modelling methodologies for soft actuators and robots;
- Dynamic modelling of soft robots;
- Modelling and analysis of soft robots;
- Control of soft actuators and robots;
- Motion control of soft robotic systems;
- AI in modelling and control of soft robots;
- Demonstrations and applications.

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Deadline for manuscript submissions

closed (1 August 2024)

Actuators

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Message from the Editor-in-Chief

Editor-in-Chief

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