Soft Machines: Integrating Sensing, Actuation and Computation

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Deadline for manuscript submissions:
closed (30 September 2019)

Message from the Guest Editors

The aim of this special issue is to present the readers with a concise overview of recent developments and novel approaches in integrating sensing and actuation via new, soft actuators and sensors. The proposed special issue will be dedicated to high-quality research articles and original review papers that highlight recent advancements in smart, functional materials and systems, soft electronics, and the 3D fabrication of hybrid systems.

Potential topics include, but are not limited to:

- Integration of sensing and actuation,
- Soft electronics,
- Soft actuators,
- Artificial muscles,
- Hydrogel- and gel-based sensors and actuators,
- Soft sensors,
- Electroactive sensors and actuators,
- Smart textiles,
- Additive manufacturing of soft sensors and actuators, and
- 4D printing of soft materials.

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Special issue

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Message from the Editor-in-Chief

It is my great pleasure to welcome you to our open access journal, *Robotics*, which is dedicated to both the foundations of artificial intelligence, bio-mechanics and mechatronics, and the real-world applications of robotic perception, cognition and actions. The 21st century is the robotics century and intelligent robots will change our lifestyle forever. Let us work together toward the realization of intelligent robots step by step.

It is great fun to create intelligent robots and imagine their practical applications. *Robotics* is now ready to serve you in the long journey towards such a goal.

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