

Special Issue

New Advances in Intelligent Soft Robots

Message from the Guest Editor

This Special Issue aims to present recent progress in cutting-edge development or concepts on intelligent soft robots, with interdisciplinary approaches from basic mechanics, mechanism design, bionic engineering, robot control, artificial intelligence, materials science, finite element simulation, physical fabrication, etc., perspectives. The scope of this Special Issue includes but is not limited to the following:

- Literature review on the state of the art of soft robotics;
- Bio-inspired soft robots;
- Variable and controllable stiffness mechanisms;
- Multifunctional smart materials and structures;
- 3D printing of soft functional devices;
- Mechanically programmable soft robots;
- Novel actuation mechanisms;
- New materials for soft robots;
- Novel methods and technologies for fabricating, testing, and evaluating soft robots;
- Methods and technologies for sensing and controlling soft robot movements;
- Modeling of the underlying mechanisms for the actuation of soft robots.

Guest Editor

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About the Journal

Message from the Editor-in-Chief

Machines is an international, peer reviewed journal on machinery and engineering. It publishes research articles, reviews and communications.

Our aim is to encourage scientists to publish their experimental and theoretical results in as much detail as possible. There is no restriction on the length of the papers. Full experimental and/or methodical details must be provided.

There are, in addition, unique features of this journal: Manuscripts regarding research proposals and research ideas will be particularly welcomed; Electronic files or software regarding the full details of the calculation and experimental procedure - if unable to be published in a normal way can be deposited as supplementary material.

Editor-in-Chief

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