Special Issue

Soft Wearable Robots: Design and Realization

Message from the Guest Editor

Soft wearable robots hold immense promise due to their potential to revolutionize various aspects of human life. Unlike traditional rigid exoskeletons, soft wearable robots offer lightweight, flexible, and comfortable solutions that seamlessly integrate with the human body. This innovation opens doors to numerous applications, including assistance for individuals with mobility impairments, the augmentation of human strength and endurance in industrial settings, and the facilitation of rehabilitation processes. Moreover, soft wearable robots have the capacity to enhance human performance in sports and physical activities, while minimizing the risk of injury. Exploring the intersection of engineering, material science, and human–computer interactions, this Special Issue aims to gather the latest advancements in the design and implementation of soft wearable robots. We welcome contributions that address topics such as the use of exosuits to boost human performance, assistive devices that aid rehabilitation, and potential transformative impacts on healthcare, industry, and daily living.

Guest Editor

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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.

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