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3D-Printed Soft Robots and 4D Printing: Modeling, Fabrication, and Control

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Deadline for manuscript submissions:
closed (30 December 2021)

Message from the Guest Editors

Dear Colleagues,

Additive manufacturing, and particularly three-dimensional (3D) printing has found its path in almost every research sector from biomedical science to robotic industry, from macro scale products to micro and nano scale mechanisms, and from highly rigid metals to soft biological materials. This Special Issue will focus on an interdisciplinary research platform of 3D printing of adaptive dynamic structures, also known as 4-dimensional (4D) printing, with highly versatile applications in mesoscale and macroscale platforms including microfluidics, wearable electronics agricultural applications and medical assisted soft robots.

Given your renowned expertise and significant contributions to this field, we would like to invite you to contribute to this special issue. The keywords include but are not limited to the following:

Soft robotics; 4D printing; 3D printed sensors; 3D printed actuators; Finite element analysis; Machine learning modeling; Control

Link:

special_issues/3D_Printed_Soft_Robots_and_4D_Printing

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Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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