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Digitally Manufactured Microfluidics and Microsystems

Guest Editors:

Prof. Dr. Albert Folch

Prof. Dr. Savas Tasoglu

Dr. Mohsen Habibi

Prof. Dr. Muthukumaran Packirisamy

Deadline for manuscript submissions:
closed (10 December 2022)

Message from the Guest Editors

Digital manufacturing (DM) is a family of computer-centered processes that integrate digital 3D designs, automated (additive or subtractive) fabrication, and device testing in order to increase fabrication efficiency. Importantly, DM enables the inexpensive realization of 3D designs that are impossible or very difficult to mold. This Special Issue showcases research papers, communications, and review papers that highlight the latest developments in the DM of microfluidics and microsystems, including additive or subtractive manufacturing processes such as stereolithograpy (SLA), digital light processing (DLP)-based SLA, two-photon direct laser writing (DLW), Continuous Liquid Interface Printing (CLIP), PolyJet, fused deposition modeling (FDM), direct sound printing (DSP), volumetric printing, laser cutting, CNC milling, 3D-printed molds, and bioprinting, particularly advances in resins and resolution and the biological, biochemical, biophysical, and biomedical applications of additive manufacturing. This Issue will be published as an open-source book of wide dissemination and impact.

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Editor-in-Chief

Prof. Dr. Ai-Qun Liu
1. Department of Electrical and Electronic Engineering, The Hong Kong Polytechnic University, Hong Kong, China
2. School of Electrical and Electronic Engineering, Nanyang Technological University, Singapore 639798, Singapore

Message from the Editor-in-Chief

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Contact Us

Micromachines Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
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