# Special Issue

## 3D Microfabrication Unleashed: Emerging Applications and New Manufacturing Concepts

### Message from the Guest Editor

The bloom of 3D microfabrication technologies has opened a new era for the prototyping of 3D micro- and nanostructured devices addressing a heterogeneous range of applications. Among these techniques, we find top–down approaches, involving extrusion-based systems and light-assisted ones as well as bottom–up strategies. By exploiting these protocols, it is possible to manufacture objects from the nm- to the cm-scale constituted by single or multiple materials. The use of 3D fabrication has therefore proven to be a valuable alternative to conventional 2D fabrication approaches in terms of fast-prototyping, cost effectiveness, and reduction of manufacturing steps. Accordingly, this Special Issue invites contributions (original research papers, review articles, and brief communications) on novel methodological developments in 3D microfabrication. We seek to provide a comprehensive collection with a focus on manufacturing processes, functional materials, and relevant applications, including but not limited to organ-on-chip, microfluidics, optoelectronic structures, energy harvesting devices, and microrobotics, revealing the unlimited potential of this fabrication paradigm.

### Guest Editor

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### Deadline for manuscript submissions

closed (31 August 2020)

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## Editor-in-Chief

Prof. Dr. Ai-Qun Liu
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