

## Special Issue

# Advanced (*Citius, Minor, Simplicius*) Laser Fabrication Technologies for Cross-Field Applications

### Message from the Guest Editors

This Special Issue aims to highlight the latest developments in advanced laser fabrication technologies and novelty applications such as micro/nano-optics, photonic integrated circuits, micro/nano-robotics, etc., with development towards green energy and bio-medical fields for the strongest societal impact. Potential topics include, but are not limited to:

- Etching (plasma, wet bath) assisted laser fabrication technology.
- Laser processing technology with light field modulation (far-field (Gaussian, Bessel), near-field).
- Laser-induced micro/nanostructures.
- 3D/4D printing based on the laser fabrication technique.
- Creation of new materials and composites on interfaces of photo-electrode sensor surfaces by controlled phase transitions.
- Materials for green energy applications (solar cell patterning, hydrogen-producing photo-electrodes, batteries, fuel cells).

We seek submissions where the cross-disciplinary use of different fabrication techniques are combined, especially where such combination opens new applications in bio-medical, environmental sensor, green energy, photo-/electro-catalysis, and battery applications.

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### Guest Editors

Dr. Xueqing Liu

Dr. Zhennan Tian

Dr. Bing Han

Dr. Lei Wang

Prof. Dr. Saulius Juodkazis

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### Deadline for manuscript submissions

closed (31 January 2023)



## Micromachines

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*Micromachines*  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[micromachines@mdpi.com](mailto:micromachines@mdpi.com)

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### Message from the Editor-in-Chief

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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

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