

Special Issue

Direct Laser Writing for Photonic Applications

Message from the Guest Editors

As an additive manufacturing technique, direct laser writing has been demonstrated as a suitable option for truly arbitrary three-dimensional structures, especially for very complicated metastructures. Typically, direct laser writing can fabricate structures with a resolution limited by the voxel size, which can be much smaller than the diffraction-limited spot size. However, some of the optical and mechanical performance characteristics of the fabricated devices are still much lower than those obtained using traditional fabrication techniques.

Therefore, it is necessary to explore direct laser writing with new mechanisms, new fabrication strategies, new materials as well as new functional devices for specified applications in optical waveguide communications, sensors, biomedical devices and metamaterials, etc. This Special Issue will cover all contributions of original research and review articles related to the development and applications of direct laser writing, including but not limited to the following topics:

- Direct laser writing;
- Optical and photonic devices;
- Sensors and actuators;
- Microfluidics;
- Metamaterials;
- Functional materials.

Guest Editors

Dr. Heming Wei

Prof. Dr. Fufei Pang

Prof. Dr. Sridhar Krishnaswamy

Deadline for manuscript submissions

closed (31 May 2023)



Photonics

an Open Access Journal
by MDPI

Impact Factor 2.1
CiteScore 2.6



mdpi.com/si/134449

Photonics

MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
photonics@mdpi.com

[mdpi.com/journal/
photonics](https://mdpi.com/journal/photonics)





Photonics

an Open Access Journal
by MDPI

Impact Factor 2.1
CiteScore 2.6



[mdpi.com/journal/
photonics](https://mdpi.com/journal/photonics)



About the Journal

Message from the Editor-in-Chief

Editor-in-Chief

Prof. Dr. Nelson Tansu
School of Electrical and Electronic Engineering (EEE), The University of
Adelaide, Adelaide, SA 5005, Australia

Author Benefits

High Visibility:

indexed within Scopus, SCIE (Web of Science), Inspec,
CAPlus / SciFinder, and other databases.

Journal Rank:

JCR - Q2 (Optics)

Rapid Publication:

manuscripts are peer-reviewed and a first decision is
provided to authors approximately 14.8 days after
submission; acceptance to publication is undertaken in 2.6
days (median values for papers published in this journal in
the first half of 2024).