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

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Deadline for manuscript submissions

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Message from the Editor-in-Chief

You are invited to contribute a research article or a comprehensive review for consideration and publication in *Photonics* (ISSN 2304-6732). *Photonics* is an online open access journal covering both the fundamental and applications of optics and photonics. *Photonics* strives to provide an avenue to allow authors to disseminate their scientific findings—both theoretical/ simulations and experimental works—in highly accessible peer-reviewed journal publications. The manuscript in *Photonics* will be handled with quick turnaround production processing time. We welcome authors to submit their manuscripts for publications in *Photonics*. Our goal in *Photonics* is to enable fast dissemination of high impact works to the scientific community.

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