

Special Issue

Advances and Applications of Solid State Lasers

Message from the Guest Editors

Since the invention of the laser, solid-state lasers have constantly pushed the boundaries of feasible parameters, breaking records in terms of peak power, average power, pulse duration, wavelength, bandwidth, and creating potential in a wide variety of applications. This Special Issue aims to present the latest advances in the field of solid-state lasers and their applications, including but not limited to: Advances in:

- High-average-power lasers;
- High-peak power lasers;
- Ultrafast lasers;
- Laser amplifiers;
- Ytterbium lasers;
- Neodymium lasers;
- Mid-IR lasers;
- UV lasers;
- Crystalline waveguide lasers;
- Laser materials;
- Thermal effects investigation and mitigation;
- Parametric conversion and high-harmonic generation.

Applications in:

- Industry;
- Medicine;
- Lab;
- Space.

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About the Journal

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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