Special Issue

Laser Technology and Applications

Message from the Guest Editor

Laser technology is one of the great achievements of the 20th century. Over the past 50 years, due to the rapid development of laser technology and applications, significant breakthroughs have been made in basic scientific research such as laser cooling, semiconductor lasers, optical frequency combs, laser interference gravitational wave detection, chirped pulse amplification, and optical tweezers. At the same time, a series of new interdisciplinary and technological applications have been raised by laser technology, including laser spectroscopy, laser chemistry, quantum optics, ultrafast photonics, nonlinear optics, laser medicine and biophotonics, information optoelectronics, laser advanced manufacturing technology, laser controlled nuclear fusion technology and so on. Researchers are invited to submit their contributions to this Special Issue. Topics include, but are not limited to:

- High-power laser
- High-brightness laser
- Ultrashort pulse laser
- Attosecond laser technology
- Narrow linewidth
- Single-frequency laser
- Frequency combs
- Ultraviolet laser
- Mid-infrared laser
- Semiconductor lasers

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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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