

Special Issue

Laser Interaction with Materials

Message from the Guest Editor

In the U.S., we are entering a new decade with a new administration, offering a unique possibility for new programs that can apply lasers to world problems. We welcome proposals that are novel, creative, and reversible in case of unintended consequences in the following areas:

- Laser debris removal - close to a perfect solution for dangerous clouds of orbital debris, as well as for predicting and preventing future collisions
- Laser-driven particle acceleration
- Machining with ultrafast lasers
- Using laser-induced shocks for materials properties studies
- Novel uses for lasers in additive manufacturing (so-called 3D printing)
- Lasers in dentistry and orthopedics
- Lasers in space, laser cannons, laser launching to explore nearby space, ultrafast lasers for orbit metrics, laser nudging to prevent collisions, laser clearing of GEO parking spaces
- Laser defense applications
- Pulsed laser deposition, matrix-assisted pulsed laser evaporation, laser printing of biological systems

Guest Editor

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Deadline for manuscript submissions

closed (30 September 2021)



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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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