

# 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

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### Guest Editor

Dr. Claude R. Phipps

Photonic Associates, Santa Fe, NM 87508, USA

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### Deadline for manuscript submissions

closed (30 September 2021)



## Photonics

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*Photonics*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[photonics@mdpi.com](mailto:photonics@mdpi.com)

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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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### Editor-in-Chief

Prof. Dr. Nelson Tansu

School of Electrical and Electronic Engineering (EEE), The University of Adelaide, Adelaide, SA 5005, Australia

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