Special Issue

Optical Materials in Laser Cleaning

Message from the Guest Editors

Laser cleaning is a green and non-destructive surface cleaning method based on the interactions between lasers and materials, which is hailed as the "most promising green cleaning technology of the 21st century." It is gradually replacing traditional mechanical and chemical cleaning methods and has become a disruptive technology in the field of industrial cleaning. It has significant application demands in the aerospace, marine, rail transit, and 3C electronics sectors. The purpose of this Special Issue is to enrich the research on laser cleaning in terms of core light sources, coupling mechanisms, quality regulation, and applications, especially for optical component materials of laser cleaning equipment and monitoring systems. Researchers are invited to submit their contributions to this Special Issue. Topics include, but are not limited to the following:

- Optical materials:
- High-power laser;
- Ultrafast laser;
- Optical path design;
- Machine vision;
- Cleaning theoretical model;
- New cleaning process:
- Multi online monitoring;
- Engineering application.

Guest Editors

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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 peerreviewed 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.

Editor-in-Chief

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