

Special Issue

Advances and Applications of Laser Measurements

Message from the Guest Editor

Laser measurement technology is a high-precision and high-resolution method based on lasers' well-known characteristics: monochromaticity, coherence, and directionality. Its applications span industrial manufacturing, medical imaging, and environmental monitoring. Beyond these, they include optical coherence tomography (OCT) technology. This Special Issue focuses on principles, methods, and latest developments in laser measurement technology, alongside specific application cases across diverse fields. Specifically, we aim to offer a platform for the introduction of techniques and applications of laser measurements, including laser coherent detection, laser damage monitoring technology, etc. Researchers are invited to submit their contributions to this Special Issue. Topics include, but are not limited to, the following:

- Laser interferometry;
- Laser measurement applications;
- LiDAR;
- Optical fiber sensing;
- 3D laser scanner;
- Structured-light 3D surface imaging;
- Laser frequency combs;
- Optical coherence tomography (OCT);
- Optical frequency domain reflectometry (OFDR);
- Spectrometer and spectral analysis.

Guest Editor

Dr. Cheng Lu

1. School of Instrumentation Science and Engineering, Harbin Institute of Technology, Harbin 150001, China
2. Harbin Institute of Technology Suzhou Research Institute, Suzhou 215000, China

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Photonics
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
photonics@mdpi.com

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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.

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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