



Advances and Applications of Laser Measurements

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Deadline for manuscript
submissions:

closed (28 September 2025)

Message from the Guest Editor

Dear Colleagues,

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.





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Message from the Editor-in-Chief

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