

## Special Issue

# Optical 3D Sensing Technology and Application

### Message from the Guest Editors

Three-dimensional information plays an essential role in many scenarios, such as industry, medicine, entertainment, etc. Optical 3D sensing is a key technology acquiring 3D information because of its advantages of non-destructiveness and high efficiency. With the development of the imaging principle, optoelectronic devices, computational hardware, artificial intelligence, etc., optical 3D sensing technology has been increasingly promoted. This Special Issue focuses on recent developments in optical 3D sensing technology and their applications in various scenarios. The topics of interest include (but are not limited to) the following:

- Optical 3D sensing;
- Three-dimensional reconstruction;
- Three-dimensional data processing;
- Three-dimensional image acquisition and display;
- Stereo vision;
- Single-pixel imaging and sensing;
- Deep-learning-based 3D sensing;
- Three-dimensional sensing on robot;
- Three-dimensional sensing on biomedicine;
- Three-dimensional sensing on navigation;
- Three-dimensional sensing on inspection;
- Three-dimensional sensing on cultural heritage.

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### Guest Editors

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### Deadline for manuscript submissions

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## Photonics

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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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