Special Issue

Optical 3D Sensing Systems

Message from the Guest Editors

Dear colleagues, Optical 3D sensing that acquires surface geometry information without physically touching the measured objects plays an increasingly critical role in numerous fields such as industry, agriculture, medicine, entertainment, and so on. Advances in electronic sensors, computational power and deep learning have greatly promoted the development of optical 3D sensing techniques. This special issue focuses on optical 3D sensing techniques and their applications. Various 3D sensing systems based on technologies such as structured light, stereo vision, time-of-flight (TOF) and others have been developed by many researchers. Unique hardware and software are also designed to realize the high-speed. accurate, compact, convenient, and intelligent sensing systems. The topics of this special issue includes but not limited to: novel and advanced optical systems, information processing methods and interesting applications of optical 3D sensing.

Guest Editors

Dr. Yajun Wang

Dr. Beiwen Li

Dr. Yuwei Wang

Deadline for manuscript submissions

closed (16 May 2022)



Photonics

an Open Access Journal by MDPI

Impact Factor 1.9 CiteScore 3.5



mdpi.com/si/100362

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

mdpi.com/journal/photonics





Photonics

an Open Access Journal by MDPI

Impact Factor 1.9 CiteScore 3.5



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

Prof. Dr. Nelson Tansu

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

Author Benefits

High Visibility:

indexed within Scopus, SCIE (Web of Science), Inspec, Ei Compendex, CAPlus / SciFinder, and other databases.

Journal Rank:

CiteScore - Q2 (Instrumentation)

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 14.8 days after submission; acceptance to publication is undertaken in 1.9 days (median values for papers published in this journal in the first half of 2025).

