



*sensors*



an Open Access Journal by MDPI

## Image Sensors and Optical Communication: Novel Technologies and Applications

Guest Editors:

**Dr. Bangjiang Lin**

Quanzhou Institute of Equipment  
Manufacturing, Haixi Institutes,  
Chinese Academy of Sciences,  
Quanzhou, China

**Dr. Yanbing Yang**

College of Computer Science,  
Sichuan University, Chengdu,  
China

**Prof. Dr. Jing He**

College of Computer Science and  
Electronic Engineering, Hunan  
University, Changsha, China

Deadline for manuscript  
submissions:

**10 July 2024**

### Message from the Guest Editors

Thanks to the pervasive deployment of image sensors and LED lighting infrastructure, image-sensor-based communication, also known as optical camera communication (OCC), has attracted significant attention in recent years. Contrary to conventional optical wireless communication, image-sensor-based optical communication has inherent advantages, such as easy integration into existing embedded devices. Image-sensor-based communication also has wide applications such as in data communication, indoor localization, and sensing.

This Special Issue hence aims to highlight and assemble research and/or review articles on an image-sensor-based communication system, as well as its novel applications.

The potential topics include (but are not limited to) the following:

Optical camera communication;

Screen-camera communication;

Novel modulation techniques for OCC;

Integrated sensing and communication with image sensors;

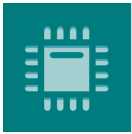
Vehicle-to-vehicle or Vehicle-to-infrastructure communication with image sensors;

Indoor localization with OCC;



[mdpi.com/si/177522](https://mdpi.com/si/177522)

**Special Issue**



*sensors*

Indexed in:  
**PubMed**

CITESCORE  
**6.8**

IMPACT  
FACTOR  
**3.9**

an Open Access  
Journal by MDPI

## Editor-in-Chief

### Prof. Dr. Vittorio M. N. Passaro

Dipartimento di Ingegneria  
Elettrica e dell'Informazione  
(Department of Electrical and  
Information Engineering),  
Politecnico di Bari, Via Edoardo  
Orabona n. 4, 70125 Bari, Italy

## Message from the Editor-in-Chief

*Sensors* is a leading journal devoted to fast publication of the latest achievements of technological developments and scientific research in the huge area of physical, chemical and biochemical sensors, including remote sensing and sensor networks. Both experimental and theoretical papers are published, including all aspects of sensor design, technology, proof of concept and application. *Sensors* organizes Special Issues devoted to specific sensing areas and applications each year.

## Author Benefits

**Open Access** : free for readers, with [article processing charges \(APC\)](#) paid by authors or their institutions.

**High Visibility**: indexed within [Scopus](#), [SCIE \(Web of Science\)](#), [PubMed](#), [MEDLINE](#), [PMC](#), [Ei Compendex](#), [Inspec](#), [Astrophysics Data System](#), and [other databases](#).

**Journal Rank**: JCR - Q2 (*Instruments & Instrumentation*) / CiteScore - Q1 (*Instrumentation*)

## Contact Us

*Sensors* Editorial Office  
MDPI, St. Alban-Anlage 66  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/sensors](http://mdpi.com/journal/sensors)  
[sensors@mdpi.com](mailto:sensors@mdpi.com)  
[X@Sensors\\_MDPI](#)