

# Special Issue

## SPAD Image Sensors

### Message from the Guest Editors

This Special Issue aims at providing an overview of the latest developments in CMOS-integrated SPAD pixel arrays, including work on detectors, pixels, readout circuits, chip architectures, and related applications. Submissions can span from technology processes to design and circuit innovations, from system-level analysis and optimization to electrical and optical characterization, all in relation to SPAD image sensors.

- Single-photon avalanche diode
- Geiger-mode avalanche photodiode
- SPAD Image Sensor
- SPAD array
- CMOS
- Single-photon imaging
- Photon counting
- Photon timing
- Time-resolved imaging

---

### Guest Editors

Prof. Dr. Lucio Pancheri

DII, University of Trento, Via Sommarive, 9, 38123 Trento, Italy

Dr. Matteo Perenzoni

Sony Europe Technology Development Centre, Via Sommarive 18, 38123 Trento, Italy

---

### Deadline for manuscript submissions

closed (30 April 2021)



## Sensors

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.5  
CiteScore 8.2  
Indexed in PubMed



[mdpi.com/si/47233](https://mdpi.com/si/47233)

*Sensors*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[sensors@mdpi.com](mailto:sensors@mdpi.com)

[mdpi.com/journal/  
sensors](https://mdpi.com/journal/sensors)





# Sensors

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.5  
CiteScore 8.2  
Indexed in PubMed



[mdpi.com/journal/  
sensors](https://mdpi.com/journal/sensors)



## About the Journal

### 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.

---

### Editor-in-Chief

Prof. Dr. Vittorio M. N. Passaro  
Department of Electrical and Information Engineering, Politecnico di Bari, Via Orabona 4, 70126 Bari, Italy

---

### 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 and Instrumentation) / CiteScore - Q1 (Instrumentation)