

## Special Issue

# Optical and Electronic Characteristics of Semiconductors in Sensors

### Message from the Guest Editor

Over the past few decades, sensors have improved manufacturing technologies in industry sectors and changed the lifestyles of human beings. This Special Issue will explore all types of sensors devices or materials and their optical and electronic characteristics. We aim to address new trends in the materials, theory, and applications of recent optoelectronic technologies and semiconductor materials and devices. Topics of interest include, but are not limited to, the following:

- Emerging optoelectronic materials and devices;
- New designs and fabrication techniques of sensor devices;
- Emerging semiconductor materials for sensors;
- New optical and electronic characteristics for sensors;
- New advances in photovoltaics and photodetectors;
- Reliability and lifetime testing of optoelectronic devices and sensors;
- Recent trends in semiconductor sensors and systems;
- Recent trends in MEMS sensor design and manufacturing.

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### Guest Editor

Prof. Dr. Der-Yuh Lin

Department of Electronics Engineering, National Changhua University of Education, Changhua 50007, Taiwan

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### Deadline for manuscript submissions

closed (25 May 2024)



## Sensors

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**Impact Factor 3.5**  
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*Sensors*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[sensors@mdpi.com](mailto:sensors@mdpi.com)

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## 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.

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### 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

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