

## Special Issue

# Advances in Sensing Technology: From Photon, Electron to Signal Processing

### Message from the Guest Editors

We are pleased to announce a Special Issue exploring cutting-edge developments at the intersection of photonics, electronics, and signal processing. This collection aims to showcase innovative research and technological advancements that are expanding the frontiers of sensing capabilities across diverse domains. From fundamental photon detection to sophisticated signal analysis, the articles will encompass a wide spectrum of sensing technologies and their applications. In our increasingly connected and data-driven world, the demand for more precise, efficient, and versatile sensing systems continues to grow exponentially. This Special Issue brings together contributions from leading researchers and industry experts, offering insights into the latest breakthroughs in sensor design, fabrication, and integration. By examining the journey from photon capture to meaningful signal output, we aim to inspire further innovation and cross-disciplinary collaboration in this rapidly evolving field.

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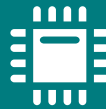
### Guest Editors

Dr. Yuxi Ruan  
Dr. Bin Liu  
Dr. Yuanlong Fan

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### Deadline for manuscript submissions

31 August 2026



## Sensors

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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

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