

## Special Issue

# Advanced Sensing Technologies in Industrial Defect Detection

### Message from the Guest Editor

Advanced sensing technologies are pivotal in driving the evolution of the global industrial manufacturing equipment sector. This Special Issue invites contributions on intelligent sensing and monitoring methodologies tailored for industrial applications. It aims to present state-of-the-art research addressing the challenges and opportunities in industrial defect detection through innovative sensing approaches. We welcome original studies on novel sensing technologies, industrial image processing algorithms, optical inspection techniques, and practical implementation experiences. Topics of interest include, but are not limited to, the following: real-time industrial image processing, precision optical measurement technologies, sensing technologies in complex industrial environments, and industrial defect recognition in intricate industrial scenarios. Critical reviews and surveys of the cutting-edge and practice are also encouraged.

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### Guest Editor

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### Deadline for manuscript submissions

30 June 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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