

## Special Issue

# Recent Advances in THz Sensing and Imaging

### Message from the Guest Editors

Dear colleagues, We know that you have been working hard to gain deeper knowledge of THz-matter interactions in sensing applications or nondestructive testing. Some of you may focus more specifically on modelling methods for these interactions in order to either improve existing measurement techniques/devices or to develop innovative ones. This Special Issue deals with THz (i) device developments, (ii) signal processing, and (iii) application. It is a great opportunity for all of us to disseminate the recent advances in THz science and technologies dedicated to sensing and imaging applications. We sincerely invite you to submit original research articles or review papers to us. The topics include but are not limited to:

- gas sensing
- nondestructive testing
- THz prospection
- subwavelength imaging
- THz image processing
- sensing and modeling of heterogeneous samples
- QCL THz
- THz-QWIP
- THz lab-on-chip
- THz detectors

We look forward to your contributions. Best regards,

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### Guest Editors

Dr. Maxime Bernier

Dr. Gwenaél Gaborit

Dr. Pierre-Baptiste Vigneron

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### Deadline for manuscript submissions

closed (25 June 2025)



## Sensors

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### 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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