

## Special Issue

# Sensors for Characterization of Energetic Materials Effects

### Message from the Guest Editors

While characterizing the heat and gas release properties of deflagrating materials is relatively straightforward using readily available sensors, quantifying the effects of shock impacts on surrounding structures in the case of explosives remains significantly more challenging.

In this Special Issue, we invite authors to share the latest results in this diverse field of research. Potential topics include, but are not limited to, the following:

- New transducers and sensors (pressure, velocity, temperature, stress, temperature, etc.) using different principles (mechanical, optical, etc.);
- New materials for protection (active or passive) including reactive materials and thermites;
- Characterization of high-energetic reaction and detonation;
- Advanced modeling of flame propagation dynamics;
- Dynamic model;
- Dynamic calibration;
- Metrology in harsh environments;
- The effect of energetic materials in several environments (in air, materials, water, etc.).

If you want to learn more details, please contact Peter Wang ([peter.wang@mdpi.com](mailto:peter.wang@mdpi.com)).

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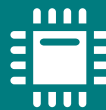
### Guest Editors

Dr. Maylis Lavayssière  
Prof. Dr. Carole Rossi  
Dr. Patrick Pons

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### Deadline for manuscript submissions

25 November 2026



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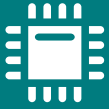


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### Message from the Editor-in-Chief

*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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