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.).

Guest Editors

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Deadline for manuscript submissions

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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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