

## Special Issue

# Electromagnetic Non-Destructive Testing and Evaluation

### Message from the Guest Editor

We invite researchers to contribute overviews and original articles focusing on electromagnetic non-destructive testing and the evaluation of critical components and structures in the engineering fields, including aerospace, energy, chemical and transportation, etc. Potential topics include but are not limited to the following:

- Electromagnetic non-destructive testing and evaluation;
- Eddy current testing;
- Eddy current thermography;
- Electromagnetic acoustic transduction;
- Microwave and millimeter wave testing;
- Magnetism-based testing (Barkhausen noise analysis, Magnetic incremental permeability, Magnetic memory testing, etc.);
- Electromagnetic field sensing;
- Forward and inverse modelling of electromagnetic non-destructive testing;
- Defect imaging, assessment and reconstruction;
- Defect characterisation and identification;
- Material characterisation and classification.

We look forward to and welcome your participation in this Special Issue.

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### Guest Editor

Prof. Dr. Yong Li

State Key Laboratory for Strength and Vibration of Mechanical Structures, Shaanxi Engineering Research Centre of NDT and Structural Integrity Evaluation, School of Aerospace Engineering, Xi'an Jiaotong University, Xi'an 710049, China

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### Deadline for manuscript submissions

closed (20 August 2025)



## 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

Prof. Dr. Vittorio M. N. Passaro  
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