

## Special Issue

# Toward Green and Intelligent Transportation Infrastructure: Road Non-destructive Testing and Structural Health Monitoring Technologies

### Message from the Guest Editors

Recently, transportation infrastructures have been extensively tested using non-destructive (NDT) and structural health monitoring (SHM) technologies based on green and intelligent needs. Therefore, the aim of this Special Issue is to collect recent research advances and progress in NDT and SHM in the fields of transportation infrastructure. Additionally, papers focusing on maintenance management systems, life-cycle assessment and asset assessment of transportation infrastructures are also welcome. Topics of interest include, but are not limited to:

- Innovative NDT of transportation infrastructures;
- Recent developments in existing NDT technologies, including GPR, FWD, etc.;
- Remote sensing techniques for damage identification;
- The modeling of infrastructure performance based on NDT or multi-source data;
- Green and intelligent sensors and networks for road structural monitoring;
- Damage evaluation using artificial intelligence and deep learning;
- Pavement dynamic monitoring using accelerated loading testing;
- Unmanned aerial vehicles for road extraction and 3D modeling;
- Life cycle assessments on transportation infrastructures based on NDT tests.

### Guest Editors

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### Deadline for manuscript submissions

closed (20 November 2024)



## 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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