

Special Issue

Structural Health Monitoring of Bridges

Message from the Guest Editors

This Special Issue aims to bring together researchers, practitioners, and industry experts to share their latest advancements, methodologies, case studies, and innovative applications in the field of structural health monitoring of bridges. We invite contributions that address various aspects of bridge monitoring, including but not limited to sensor technologies, data acquisition and processing, signal analysis, damage detection algorithms, risk assessment, decision-making frameworks, and integration with smart infrastructure systems. Topics of interest for this Special Issue include, but are not limited to:

- Novel sensor technologies for bridge monitoring and assessment;
- Wireless sensor networks and IoT-based monitoring and assessment systems;
- Damage detection and localization algorithms;
- Structural health assessment and remaining service life prediction;
- Risk assessment and reliability analysis of bridges;
- Case studies and real-world applications of bridge monitoring;
- Long-term evolution of structural performances of bridges.

Guest Editors

Dr. Tianyou Tao

Dr. Marco Bonopera

Dr. John Owen

Deadline for manuscript submissions

closed (20 August 2024)



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Applied Sciences
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
appls@mdpi.com

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About the Journal

Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo
Dipartimento di Fisica, Politecnico di Milano, Piazza L. da Vinci 32,
20133 Milano, Italy

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