

Special Issue

Structural Health Monitoring, Non-destructive Evaluation and Remedial Measures for Civil Infrastructures

Message from the Guest Editors

This Special Issue will compile articles covering a wide range of topics related to both existing and emerging non-destructive evaluation (NDE) methods, structural health monitoring (SHM), and damage detection techniques applicable to civil infrastructure. Contributions are encouraged on methods such as hands-on non-destructive testing (NDT), non-contact or vision-based sensors and instrumentation, load testing, vibration analysis, and the application of novel sensors and technologies. Additionally, this Special Issue will include discussions on condition assessments, performance evaluation methods, and maintenance strategies that utilize NDE and SHM results to devise preventive and preservation tactics. Furthermore, articles on remedial measures for civil infrastructure—including innovative methods, materials, and technologies for repair and retrofit of the existing structures as well as for new construction—addressing existing limitations and enhancing service life are also welcome.

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