



Development of Monitoring, Maintenance and Sustainability Technics of Infrastructures, Including Bridge, Railway, and Other Structures

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Message from the Guest Editors

Dear Colleagues,

Civil infrastructures are often subject to adverse factors such as aging, corrosion, vibration, and impact, which often result in structural damages, such as cracks, loss of stiffness, and reduced bearing capacity, and even structural failure if the early damages are not detected. Hence, the monitoring, analysis and maintenance technics of infrastructures are vital. Specifically, monitoring and analysis show the service state of structures and provide decision support for maintenance, which reduce the risk of failure.

The purpose of this Special Issue is to systematically display the latest development of monitoring, maintenance and sustainability technics of infrastructures. Furthermore, this development is supported by multiple disciplines, such as sensing and artificial intelligence. We welcome scholars in various fields to discuss the current challenges in this community and welcome the emergence of new technologies to promote technological innovation and development.

I look forward to receiving your contributions.

Sincerely,

Prof. Chunxu Qu

Guest Editor





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Message from the Editor-in-Chief

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