

Special Issue

The State of the Art in Non-destructive Evaluation of Concrete

Message from the Guest Editor

Civil engineering structures as buildings, bridges, tunnels, power plant, water retaining/supply structures, etc.) are important components of built heritage. Keeping them in service requires significant maintenance and repair costs. Therefore, the development of scientific approaches becomes necessary through setting up concrete evaluation tools aimed at making diagnosis more reliable for optimizing the maintenance strategy. The use of non-destructive testing and evaluation methods (acoustic, electromagnetic, electrical, etc.) are one of the suitable approaches. This Special Issue aims to provide an overview of recent developments in non-destructive testing and evaluation methods as well as in situ concrete assessment methodologies using NDT. Submissions discussing the state-of-the-art in experimentation and modeling as well as applications on structures in real conditions are encouraged.

Keywords

- NDE
- concrete evaluation
- combining NDT
- inversion
- detection
- characterization
- imaging

Guest Editor

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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.

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