



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

Guest Editor:

Prof. Dr. Zoubir Mehdi Sbartai

I2M, Department of Civil and
Environmental Engineering,
University of Bordeaux, 33405
Talence, France

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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





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Editor-in-Chief

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

Message from the Editor-in-Chief

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Applied Sciences Editorial Office
MDPI, Grosspeteranlage 5
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