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Non-destructive Testing (NDT) Methods in Railway Engineering

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Deadline for manuscript submissions:
closed (31 July 2023)

Message from the Guest Editors

Dear Colleagues,

Non-destructive evaluation (NDE) is a technique used to examine, evaluate, and test any type of object without interfering with its structural integrity in order to determine the absence or presence of defects and discontinuities.

The scope of this Special Issue is to provide an overview of the state of the art of applications and developments in the field of NDT, either practical or simulation in nature, specifically applied to railway engineering. Research papers may cover the rail carbody, rolling stock, or infrastructure NDT applications during the entire lifecycle, from manufacturing to in-service or maintenance.

Topics include, but are not limited to:

- Development of new or existing NDT techniques suitable for rail applications;
- NDT techniques typically applied to other transport industries that may find applications in the rail industry;
- NDT for new materials suitable for rail applications;
- Integration of NDT methods;
- Ultrasonic testing;
- Infrared thermography (active or passive applications);
- Acoustic emission

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Message from the Editor-in-Chief

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