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Advanced Non-Destructive Testing in Steels

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Deadline for manuscript submissions:

closed (31 October 2017)

Message from the Guest Editor

Dear Colleagues,

Non-destructive testing (NDT) is a major issue for industrial and bio-medical applications, with several tens of billions USD in annual turnover. The technology in NDT is rapidly improving due to the development of new technologies, e.g., sensors, electronics, communications, software applications, and integration processes. The NDT methods for steel applications are following this general trend. Year-by-year, the methods and processes become better and better, with the current state-of-the-art being the accurate detection of flaws and defects in steels in the order of microns.

The aim of this Special Issue is to present, on the one hand, the advances in non-destructive methods and instruments for steels in all aspects of steel production, manufacturing and use, and, on the other hand, the advances in the field of stress tensor distribution monitoring targeting the prediction of crack initiation and propagation.

Prof. Evangelos Hristoforou Guest Editor











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Message from the Editorial Board

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