

Special Issue

Electromagnetic Non-Destructive Testing and Evaluation: 2nd Edition

Message from the Guest Editors

Due to the need to avoid structural failure and incidents, the safety of engineering structures has received much attention worldwide. There is high demand for non-destructive approaches to monitoring, inspecting and evaluating the integrity of mechanical structures, such as oil/gas pipelines, fuel tanks, and aero-engines, during their fabrication/construction and in-service operations before catastrophic accidents occur. Hitherto, electromagnetic non-destructive testing and evaluation (NDT&E) techniques have been used in the detection, characterisation and assessment of critical flaws, which threaten structural integrity. However, as none of these techniques are universal, none be considered skeleton keys for the NDT&E of in-service structures. In view of this, more and more advanced electromagnetic non-destructive testing methods have been proposed that are complementary to current techniques. We invite researchers to contribute reviews and original articles focusing on electromagnetic non-destructive testing and the evaluation of critical components and structures in engineering fields, including aerospace, energy, chemical and transportation engineering.

Guest Editors

Prof. Dr. Yong Li

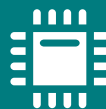
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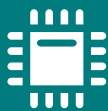


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