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Advanced electromagnetic non-destructive evaluation and smart monitoring

Theme issue compiled and edited by GuiYun Tian and Theodoros Theodoulidis

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About this issue

The use of advanced electromagnetic non-destructive evaluation (NDE) and structural health monitoring (SHM) is expected to grow rapidly due to the requirements of industrial safety, security, and non-invasive diagnostics. These disciplines utilise a wide range of the electromagnetic (EM) spectrum, from EM fields to EM waves. This theme issue covers recent studies concerning the progress and applications of EM fields to non-destructively test, evaluate, and characterise materials and structures.

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Cover image:

A schematic displaying a selection of advanced electromagnetic non-destructive evaluation and smart monitoring techniques. Credit: GuiYun Tian and Qiuji Yi.

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