

Special Issue

Novel Approaches for Nondestructive Testing and Evaluation

Message from the Guest Editors

Nondestructive testing and evaluation (NDT&E) is one of the most important techniques for determining the quality and safety of materials, components, devices, and structures. NDT&E technologies include ultrasonic testing (UT), magnetic particle testing (MT), magnetic flux leakage testing (MFLT), eddy current testing (ECT), radiation testing (RT), penetrant testing (PT), and visual testing (VT), and these are widely used throughout modern industry.

We invite researchers and engineers with novel technologies for visualizing NDT signals such as those of visible, static/time-varying magnetic flux densities, radiation (infrared, ultraviolet, nuclear), electromagnetic waves, acoustics, and stresses using various physical and electrical and electronic methods. We also welcome related technologies such as those pertaining to the quantitative evaluation of test results. Case studies in all fields, including aerospace, electric power generation, petrochemicals, automobiles, and parts and materials, would also be valuable contributions to our Issue.

We look forward to your participation.

Guest Editors

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Deadline for manuscript submissions

closed (10 August 2021)



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About the Journal

Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

Editor-in-Chief

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