

Special Issue

Nondestructive Testing (NDT)

Message from the Guest Editor

Structural health monitoring (SHM) is emerging as a crucial research field, able to provide vital information regarding the damage levels of structures and materials. In particular, by exploiting the most advanced technologies and techniques, nondestructive testing (NDT) is the ideal candidate in detecting defects and structural issues, both at the laboratory and full-scale levels, in a non-invasive way. Among others, acoustic emission, vibration-based identification methods, digital image correlation, tomography techniques, sonic-ultrasonic tests, Raman and terahertz spectroscopy, electromagnetic analysis, etc. allow to evaluate the state of damage and its evolution during time. The aim of this Special Issue is, thus, to bring together researchers working in the field of NDT-SHM, both at the material and structure scale. It expects to provide novel insights on the application of NDT to a wide variety of materials (concrete, steel, masonry, composites, etc.) in the field of Civil Engineering and Architecture. Both experimental and numerical studies are welcome.

Guest Editor

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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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