

Special Issue

Non-destructive Testing of Materials in Civil Engineering

Message from the Guest Editor

Dear colleagues, The current trend in the development of non-destructive testing in civil engineering is mainly for the detection of flaws and defects in concrete elements and structures, and acoustic methods predominate in this field. Much attention has been devoted to acoustic techniques because they have been greatly developed in recent years and there is a clear trend towards acquiring information about a tested element or structure from acoustic signals processed by proper software using complex data analysis algorithms. Another trend in the development of nondestructive techniques is towards assessing characteristics other than strength in elements or structures, particularly the ones made of concrete or reinforced concrete. This Special Issue is open to new advances in non-destructive testing of materials in civil engineering, involving:

- detecting defects invisible on the surface,
- estimating the depth of cracks,
- determining the dimensions of elements accessible from one side only
- 2D and 3D imaging of reinforcement distribution in elements.

Guest Editor

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Deadline for manuscript submissions

closed (30 June 2019)



Materials

an Open Access Journal
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Impact Factor 3.2
CiteScore 6.4
Indexed in PubMed



mdpi.com/si/20224

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About the Journal

Message from the Editor-in-Chief

Materials (ISSN 1996-1944) was launched in 2008. The journal covers twenty-five comprehensive topics: biomaterials, energy materials, advanced composites, advanced materials characterization, porous materials, manufacturing processes and systems, advanced nanomaterials and nanotechnology, smart materials, thin films and interfaces, catalytic materials, carbon materials, materials chemistry, materials physics, optics and photonics, corrosion, construction and building materials, materials simulation and design, electronic materials, advanced and functional ceramics and glasses, metals and alloys, soft matter, polymeric materials, quantum materials, mechanics of materials, green materials, general. *Materials* provides a unique opportunity to contribute high quality articles and to take advantage of its large readership.

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