Special Issue

Non-destructive Testing Methods for Composite Materials

Message from the Guest Editors

In recent years, the composites manufacturing industry has grown considerably, with worldwide developments and applications of new 3D printed and dissimilar-materials-based composite structures. These lightweight, multi-layered, and complex geometry composite materials and constructions are being used in a wide range of industries, such as transport, renewable energy, aerospace, construction, sports, health, and rehabilitation. However, the lack of quality control during manufacturing and intensive daily operational conditions, fatigue, vibrations, and various defects developed during use lead to the risk of structure failure. To meet safety and economical requirements, such structures must be tested against various internal defects (e.g., disbonds, delamination, etc.). The aim of this Special Issue is to attract developments of non-destructive testing (NDT) methods in some areas.

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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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