Special Issue

Thermography Technique in Materials Science

Message from the Guest Editor

For several years, we have experienced a revolution in material science in aerospace and other hi-tech industries. Metal structures, which were subject to corrosion and fatigue damage, are now being made of composites and ceramics. The importance of infrared nondestructive testing (IRNDT) has greatly increased in the last decade due to its effectiveness in the inspection of composite and ceramic materials. Two challenging research fields for IR thermography are the detection of structural defects in composite materials and the characterization of the thermal properties of novel anisotropic materials. The goal of this Special Issue is to provide a platform for sharing newly-found knowledge and experience in the development of both hardware and software for IRNDT. This Special Issue invites original submissions that reflect recent achievements in IRNDT and the characterization of materials by the use of both passive and active infrared thermography.

Guest Editor

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Deadline for manuscript submissions

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Message from the Editorial Board

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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