Special Issue

Design, Optimization, and Mechanical Applications of Smart Materials and Structures

Message from the Guest Editor

This Special Issue seeks to compile cutting-edge research and expand the horizons of smart materials and structures. Topics of interest include (but are not limited to): mechanical performances of novel mechanical metamaterials, experiments of novel mechanical metamaterials, vibration suppression and noise reduction of acousto-vibrational metastructures. sound/elastic wave propagation and tunability of acoustic/elastic metamaterials, wave propagation and active/passive control of electric/piezomagnetic metamaterials, anti-impact and buffering performances of mechanical metamaterials, innovative design and performance prediction of smart materials and structures, design and optimization of multi-functional materials and structures, as well as the mechanical applications of smart materials and structures.

Guest Editor

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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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