Special Issue

Computational and Experimental Mechanics of Engineering Materials and Structures

Message from the Guest Editor

This Special Issue encompasses the wide fields of computational and experimental mechanics of engineering materials, components, and structures in any scale or geometry. Its scope includes:

- Enhanced or new insights into material properties, mechanics, and physical performance
- Development of enhanced modeling tools and experiments to characterize engineering materials and structures
- Calculation models and experimental techniques describing the mechanical behavior of materials, components, and structures
- Application of computational methods and/or experimental and techniques to support the manufacturing processes of enhanced materials and engineering components
- Development of experimental techniques to measure material properties
- Development or application of modeling and testing tools to describe the failure and degradation mechanisms in material and structures.
- Engineering case studies dealing with advanced modeling and/or experimental techniques to describe the mechanical behavior, failure, or degradation of materials and components.

Guest Editor

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Deadline for manuscript submissions

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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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