Special Issue

Deformation/Fracture Behavior, Microstructure Evolution and Mechanical Properties of Steel

Message from the Guest Editor

This Special Issue aims to cover the mechanical behaviors comprise, but are not limited to, tensile, compressive, fatigue, impact, and creep loadings. The microstructural and fracture analyses include optical microscopy, scanning electron microscopy, transmission electron microscopy, X-ray diffraction, electron backscatter diffraction, electron probe microanalysis, and other novel analytical techniques. In addition, research on the simulation of mechanical behavior and deformation/fracture progress is extremely useful in clarifying the mechanical behaviors of materials, and such studies are also warmly welcome. The types of submissions in this Special Issue include full papers, communications, and reviews.

Guest Editor

Prof. Dr. Ming-Wei Wu

Department of Materials and Mineral Resources Engineering, National Taipei University of Technology, Taipei 10608, Taiwan

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Materials
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
materials@mdpi.com

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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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