

Special Issue

Selected Papers from Experimental Stress Analysis 2020

Message from the Guest Editors

The Experimental Stress Analysis 2020 is organized with the support of Czech Society for Mechanics, Expert Group of Experimental Mechanics, and will be held in Sobotin, Czech Republic, 19–22 October 2020. The topics of the conference include experimental research on materials and structures subjected to mechanical, thermal–mechanical, or dynamic loading, including damage, fatigue, and fracture analysis. This Special Issue will select excellent papers from Experimental Stress Analysis 2020. Potential topics include:

- Development of experimental methods in mechanics;
- Development of experimental methods in biomechanics;
- New methods and applications of deformation and stress analysis in mechanical structures;
- New methods and applications of deformation and stress analysis in civil and other structures;
- Experiment as a tool for the verification of analytical and numerical methods;
- Experimental research and prediction of strength, life and operational reliability of structures and devices;
- Monitoring of operational loadings and operational states of structures and devices;
- Mechanics of advanced materials, composites and additive manufacturing materials.

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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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