

Special Issue

Application of the Acoustic Emission Method in Concrete Materials

Message from the Guest Editor

Although concrete is one of the oldest building materials (well-preserved Roman concrete structures can still be found standing), developments in recent years have significantly improved its properties (e.g., strength, mechanical and chemical resistance, workability, and others). At the same time, its disadvantages (e.g., fragility, negative environmental impacts) have been overcome. The acoustic emission (AE) method is already well known in the scientific community and is applied in many fields (e.g., pressure vessel inspection, aviation, engineering, and others). Merging the two topics of acoustic emission and concrete materials offers a number of new insights for experts in both areas. It is therefore my pleasure to invite you to submit an original manuscript for this Special Issue focusing on application of the acoustic emission method in concrete materials. The aim of this Special Issue is to gather knowledge and experience in the latest advances and trends in the given areas. Potential topics include but are not limited to the following:

Guest Editor

Dr. Libor Topolář

Faculty of Civil Engineering, Brno University of Technology, Veverí
331/95, 602 00 Brno, Czech Republic

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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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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.

Editor-in-Chief

Prof. Dr. Maryam Tabrizian

1. Department of Biomedical Engineering, Faculty of Medicine and Health Sciences, McGill University, Montreal, QC H3A 2B6, Canada
2. Faculty of Dentistry and Oral Health Sciences, McGill University, 3640 Rue University, Montreal, QC H3A 0C7, Canada

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