

## Special Issue

# Advances in Structural Health Monitoring for Infrastructures

### Message from the Guest Editors

A considerable amount of infrastructure has been constructed over the past few decades. Building materials of infrastructures could encounter degradation, corrosion, fatigue, etc., due to long-term services, as well as environmental and loading factors. In this context, in-service infrastructures are anticipated to face a massive increase in demand for structural health monitoring (SHM) in the next decade. This Special Issue aims to collect papers that focus on all aspects of advances in SHM for infrastructures. The collections will be published after being peer-reviewed. The topics include but are not limited to: Structural health monitoring; Structural damage identification; SHM-oriented building materials; Smart sensors; In-suit/wireless/online sensing networks; Big data/artificial intelligence technologies; Modal analysis and signal processing; Load identification and monitoring; Structural model updating; Vibration isolation and control; Failure prognostics and early warning; Structural health management; Structural condition/integrity/safety assessment

### Guest Editors

Prof. Dr. Wei Xu

Prof. Dr. Rafal Burdzik

Dr. Mahmoud Bayat

Prof. Dr. Maosen Cao

Dr. Nizar Faisal Alkayem

### Deadline for manuscript submissions

closed (20 September 2023)



## Materials

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*Materials*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[materials@mdpi.com](mailto:materials@mdpi.com)

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## About the Journal

### 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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### 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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