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## Advances in Structural Health Monitoring for Infrastructures

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Deadline for manuscript  
submissions:  
**closed (20 September 2023)**

### Message from the Guest Editors

Dear Colleagues,

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



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# Special Issue



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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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