

Special Issue

Structural Health Monitoring (SHM) of Civil Structures

Message from the Guest Editors

Recent progress in sensing technology and techniques have allowed us to gain insight into the diagnosis of diseases as well as determine the remaining service life of a device. The influence of such progress has also found its place in the diagnosis of structural conditions. This Special Issue will showcase some of the latest efforts advancing the frontiers of structural health monitoring. Topics include, but are not limited to: sensors for structural health monitoring; damage detection and characterization/feature extraction algorithms; data transmission for embedded systems; structural warning systems; validation of structural health monitoring techniques; case studies of health monitoring of infrastructures (bridges, tunnels, pipelines, ...); model-based structural service life prediction methods; etc. Prof. Dr. Gangbing Song

Guest Editors

Prof. Dr. Chuji Wang

Department of Physics and Astronomy, Mississippi State University, Starkville, MS 39759, USA

Dr. Bo Wang

School of Civil Engineering, Southwest Jiaotong University, Chengdu, Sichuan, China

Deadline for manuscript submissions

closed (31 March 2017)



Applied Sciences

an Open Access Journal
by MDPI

Impact Factor 2.5
CiteScore 5.5



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

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As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo
Dipartimento di Fisica, Politecnico di Milano, Piazza L. da Vinci 32,
20133 Milano, Italy

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