

## Special Issue

# Advanced Sensing Technology for Structural Health Monitoring

### Message from the Guest Editors

Structural health monitoring (SHM) aims to develop automated systems for the continuous monitoring, inspection, and damage detection of structures with minimum labor involvement. However, there are several challenges in creating such advanced sensing technologies for monitoring various physical or chemical parameters related to the health and durable service life of structures. Therefore, this Special Issue aims to present new ideas and experimental results in the field of advanced sensing technology theory which might contribute to its practical application. This Special Issue will publish high-quality original research papers in the following relevant and interrelated fields, including, but not limited to, detection diagnosis, damage detection and imaging, fiber optic sensors, piezoelectric sensors, magnetostrictive sensors, strain sensors, pressure sensors, microwave sensors, and instrumentation and measurement. Non-destructive testing is also another topic of interest.

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### Guest Editors

Dr. Shang Gao

Prof. Dr. Xuewu Dai

Dr. Xiaotian Chen

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### Deadline for manuscript submissions

closed (30 August 2024)



## Applied Sciences

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## About the Journal

### Message from the Editor-in-Chief

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.

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### Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo  
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