

## Special Issue

# Advances in Non-Destructive Structural Health Monitoring and Damage Detection

### Message from the Guest Editors

This Special Issue aims to highlight the most recent advancements in SHM techniques and the current state-of-the-art developments in the field. Additionally, we welcome research papers that introduce innovative emerging methodologies. Furthermore, this Special Issue encourages the submission of research integrating machine learning algorithms into well-established SHM. Submissions covering a wide range of topics, including but not limited to the following aspects, will be carefully reviewed for potential publication: Structural health monitoring (SHM); Damage detection; Residual Service Life (RSL) assessment; Machine learning algorithms; Vibration-based SHM; Acoustic emission (AE); Wave-based SHM; Electro-mechanical impedance; Computer vision-based SHM; Piezoresistive sensing; Fiber Bragg grating (FBG) sensors.

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### Guest Editors

Dr. George Sapidis

Dr. Maria C. Naoum

Dr. Nikos Papadopoulos

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### Deadline for manuscript submissions

31 October 2025



## 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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