Special Issue

Machine Learning for Structural Health Monitoring

Message from the Guest Editors

Recently, machine learning has brought a novel paradigm and a huge revolution in structural health monitoring, which is further enhanced by cutting-edge deep learning and computer vision techniques. With the vigorous development of various neural networks and supervised, unsupervised, semi-supervised, and self-supervised, and reinforcement learning algorithms, machine learning enables the autonomous discovery of embedded knowledge and the intelligent diagnosis of structural health based on monitoring data in a purely data-driven manner or a data-model-driven manner. This Special Issue aims to provide a platform to share current scientific and technical progress about ML for SHM.

Guest Editors

Dr. Yang Xu

Dr. Shiyin Wei

Dr. Rongrong Hou

Prof. Dr. Yong Huang

Deadline for manuscript submissions

closed (20 June 2024)

Applied Sciences

an Open Access Journal by MDPI

Impact Factor 2.5
CiteScore 5.5

mdpi.com/si/138606

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

mdpi.com/journal/applsci

Applied Sciences

an Open Access Journal by MDPI

Impact Factor 2.5
CiteScore 5.5

mdpi.com/journal/applsci

MDPI

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.

Editor-in-Chief

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

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within Scopus, SCIE (Web of Science), Ei Compendex, Inspec, Embase, CAPlus / SciFinder, and other databases.

Journal Rank:

JCR - Q2 (Engineering, Multidisciplinary) / CiteScore - Q1 (General Engineering)