

Special Issue

Artificial Intelligence and Complex Systems Analysis in Transportation and Maintenance

Message from the Guest Editors

We are soliciting papers on topics including, but are not limited to:

- The application of real-time monitoring solutions;
- Incremental learning techniques for fault detection and identification;
- Novelty detection strategies and fault isolation procedures;
- Applications of PHM in IoT contexts;
- Degradation modeling of components operating in different operating conditions;
- System-level prognostics;
- The definition of requirements and challenges for the implementation of predictive maintenance in transportation;
- The integration of predictive maintenance with preventive policies;
- Cost–benefit analysis of predictive maintenance.

Guest Editors

Prof. Dr. Alberto Regattieri

Prof. Dr. Matthias Klumpp

Dr. Miguel Delgado-Prieto

Deadline for manuscript submissions

closed (20 April 2024)



Applied Sciences

an Open Access Journal
by MDPI

Impact Factor 2.5
CiteScore 5.3



mdpi.com/si/113673

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

[mdpi.com/journal/
appls](https://mdpi.com/journal/appls)





Applied Sciences

an Open Access Journal
by MDPI

Impact Factor 2.5
CiteScore 5.3



[mdpi.com/journal/
applsci](https://mdpi.com/journal/applsci)



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), Inspec, CAPIus / SciFinder, and other databases.

Journal Rank:

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