Artificial Intelligence and Complex Systems Analysis in Transportation and Maintenance

Guest Editors:

Prof. Dr. Alberto Regattieri
Department of Industrial Engineering, Bologna University, 40126 Bologna, Italy

Prof. Dr. Matthias Klumpp
Department of Production and Logistics, Georg-August-University of Göttingen, 37073 Göttingen, Germany

Dr. Miguel Delgado-Prieto
Automatic Control Department, Universitat Politècnica de Catalunya, 08222 Terrassa, Barcelona, Spain

Deadline for manuscript submissions:
closed (20 April 2024)

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.

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Special Issue

Editor-in-Chief

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

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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