

Special Issue

Data-Centric Approaches for Buildings Operation and Maintenance

Message from the Guest Editor

Data-centric approaches are gaining ground in O&M; they aim to maximise the value of buildings and reduce their operating costs through effective and intelligent analysis of data and knowledge about user behaviour and needs, as well as equipment performance. Recent advances in both data collection and processing and computing mark the advent of new approaches to help define predictive and even prescriptive maintenance strategies. In this Special Issue, we are looking for papers on challenges related to both the data collection and data processing stages, as well as understanding users' behaviour and monitoring technical installations. We welcome papers that explore the topics of the optimal placement of single or multi-physics sensors, the fusion of synthetic and real time-series data, and the availability and scarcity of reliable data, hybrid approaches with statistical models will also be considered as they allow for the discussion of key issues of generalisation and interpretability. Both analytical and applied research will be considered for inclusion in the Special Issue. Review papers are also eligible for publication.

Guest Editor

Dr. David Bigaud

LARIS Laboratory on Complex Systems Engineering, University of Angers, 49100 Angers, France

Deadline for manuscript submissions

closed (10 July 2023)



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

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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

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