

Special Issue

Building Information Modelling for Infrastructure Management

Message from the Guest Editors

Currently, there is an increasing need for more efficient standardization, management, and interoperability of infrastructure data. In this respect, infrastructure information modelling is slowly gaining visibility as an analogy for Building Information Modelling (BIM), that is, a data management process of infrastructure from its design phase and for its entire life cycle. While different sensing technologies are able to efficiently collect data on a large scale, BIM should allow data interoperability for a standardized access to asset management databases, thus improving the efficiency of the information maintenance work and for risk assessment of the built environment of infrastructure. This Special Issue aims to collect new knowledge on, but is not limited to, four main topics:

- Current and future trends on information modelling approaches;
- Information models of infrastructure assets;
- Applications of existing standards;
- Novel approaches that effectively integrate sensed data with IIM, following existing standards.

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