

Special Issue

Modelling in Construction and Infrastructure Management

Message from the Guest Editors

This Special Issue invites scholars and practitioners to submit technical papers and case studies that are associated with the following 2 themes: Theories and tools/methods as related to modelling, including building information modelling, geographic information system, remote sensing, robotics, additive manufacturing, etc.; Practical applications as related to the target and/or purpose of modelling including:

- Resilient and sustainable built environment for natural and manmade hazards;
- Human-built environment interactions;
- Built environment modelling;
- Sensor-based infrastructure inventory and assessment (i.e., bridges, roads, water and sewer pipes, tunnels, gridlines, etc.);
- Sensor and sensing technologies in construction automation;
- Robotics in construction;
- Improved project execution (i.e., risks and uncertainties, resource allocation, bidding strategies, contract and claims management, etc.);
- External factors impacting projects environment (i.e., weather, governmental policies, regulations, etc.);
- Information management systems;
- Virtual design and construction.

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Deadline for manuscript submissions

closed (30 June 2021)



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