



Advances in Digital Technologies Used in Architecture/Building Engineering and Construction Management

Guest Editor:

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Deadline for manuscript
submissions:

closed (30 April 2025)

Message from the Guest Editor

The Issue welcomes papers on the topics of below: the theoretical models incorporating time and cost data into BIM; building management and maintenance modeling; optimized solutions regarding Net-Zero Energy Buildings; bio-composites and recycled materials in construction with lower environmental impact; LCA to compare and analyze building materials; efficiency enhancing by robotics and automation; innovative materials for 3D printing; energy management systems for real-time monitoring; smart sensors and controls for better indoor air quality, lighting, and temperature regulation; robots for specific and complex construction tasks in adverse conditions; applicability of using drones for automated site inspection, surveys, and progress monitoring; visualization for architectural designs; safe working environment with AR headsets; self-healing materials; optimization employing ML algorithms; predictive maintenance schedule using AI; operational efficiency improve by digital twins; analyze safety data and predict the potential hazards; climate-resilient buildings; improve urban living conditions and efficiency by IoT and smart technologies.

We look forward to your contributions.





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Editor-in-Chief

Prof. Dr. Steve W. Lyon

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Message from the Editor-in-Chief

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