Special Issue

Supply Chain and Procurement Digitalization in Construction: Relational Impacts on Productivity and Sustainability

Message from the Guest Editors

Typical applications of current digital tools or technologies, including blockchain, smart contracts, internet of things (IoT), cloud computing, and other sophisticated self-learning applications, are yet to be examined deeply, particularly within the architectural, engineering, and construction (AEC) domain. This Special Issue calls for studies looking into the stages, processes, and activities of SCP digitization, and digital transformation. Potential keywords include, but are not limited to:

- Supply Chain Management;
- Procurement Lifecycle;
- Green Procurement;
- Productivity Supply-Chain Resilience;
- Digitalization, Digitization and Digital Transformation;
- Internet Of Things;
- Blockchain And Smart Contracts;
- Cloud Computing;
- Artificial Intelligence;
- Supply Chain Data Management;
- Infrastructure Procurement;
- Procurement Risk Assessment;
- Supply Chain Audit;
- Tendering Algorithms.

Guest Editors

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Deadline for manuscript submissions

closed (31 January 2024)

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About the Journal

Message from the Editor-in-Chief

Current urban environments are home to multi-modal transit systems, extensive energy grids, a building stock, and integrated services. Sprawling neighborhoods are composed of buildings that accommodate living and working quarters. However, it is expected that the cities and communities of the future will face complex and enormous challenges, including maintenance, interconnectivity, resilience, energy efficiency, and sustainability issues, to name but a few. A smart city uses advanced technologies and a digital infrastructure to improve the outcomes in every aspect of a city's operations. A smart building optimizes the experience of occupants, staff, and management by using a modern and connected environment. Innovations in technology that can bring dramatic improvements to design, planning, and policy are critical in developing the cities and buildings of the future.

Editor-in-Chief

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