Special Issue

The Role of New Technologies in Smart City, Infrastructure and Real Estate

Message from the Guest Editors

The digitalisation of reality has provided new commercial opportunities and made obsolete legacy approaches. Real estate and infrastructure have not been excluded from this revolution. Current examples are hybrid workplaces, user experience mobile apps, IoT sensors, and predictive maintenance among many others. This Special Issue is providing a unique opportunity to perpetuate your contribution. Relevant topics include:

- Smart electronic systems;
- ICT data transmission networks;
- IoT, cloud and data infrastructure;
- Artificial Intelligence, machine learning;
- Asset/property/facilities management technology;
- Environmental/social/governance sustainability;
- Audio visual systems;
- Energy management;
- Business intelligence and dashboards;
- BIM, Digital Twin;
- Blockchain and Web 3.0 applications;
- Mobile app interfaces;
- Cybersecurity;
- Financial or cost assessments, return of investment;
- Project management;
- Lease/accounting/sales/brokerage transactions.

For further reading, please follow the link to the Special Issue Website at:
https://www.mdpi.com/journal/buildings/special_issues/ Role_Technologies

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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.

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JCR - Q2 (Construction and Building Technology) / CiteScore - Q1 (Architecture)

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manuscripts are peer-reviewed and a first decision is provided to authors approximately 14.9 days after submission; acceptance to publication is undertaken in 2.7 days (median values for papers published in this journal in the first half of 2025).