buildings

an Open Access Journal by MDPI

IMPACT FACTOR 3.1

CITESCORE 3.4

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

Guest Editors:

Dr. Will Serrano
The Bartlett, University College London, London WC1H 6BT, UK

Prof. Dr. Tim Broyd
The Bartlett School of Sustainable Construction, University College London, London, UK

Dr. Qiuchen Lu
The Bartlett School of Sustainable Construction, University College London, London WC1E 6BT, UK

Deadline for manuscript submissions:
closed (10 January 2023)

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

mdpi.com/si/125807

Special Issue

buildings

IMPACT FACTOR 3.1

CITESCORE 3.4

an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. David Arditi
Construction Engineering and Management Program, Department of Civil, Architectural, and Environmental Engineering, Illinois Institute of Technology, 3201 South Dearborn Street, Chicago, IL 60616, USA

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.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.
High Visibility: indexed within Scopus, SCIE (Web of Science), Inspec, and other databases.
Journal Rank: JCR - Q2 (*Engineering, Civil*) / CiteScore - Q1 (Architecture)

Contact Us

Buildings Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/buildings
buildings@mdpi.com
𝕏@Buildings_MDPI