



## Smart Construction and Smart Building Operation and Maintenance

Guest Editors:

**Dr. Cylde Zhengdao Li**

Faculty of Civil and  
Transportation Engineering,  
Shenzhen University, Shenzhen,  
China

**Dr. Jingke Hong**

School of Construction  
Management and Real Estate,  
Chongqing University,  
Chongqing, China

Deadline for manuscript  
submissions:

**closed (1 October 2022)**

### Message from the Guest Editors

Smart management systems on construction and intelligent building operations form the backbone of our future Smart Cities. This special issue is defined to address any aspects of Smart Construction and Intelligent Building Operation, with the emphasis of utilizing IoTs, BIM and Big data technologies. Topics may include but are not limited to:

- 3D Printing Related Technologies in Construction
- Big Data Analytics in Smart Construction and Intelligent Building Operations
- Energy Saving and Management
- Smart Technologies for Urban Renewal
- IoT Architecture Design for Smart Construction and Intelligent Building Operations
- Machine Learning and Data Mining in Smart Construction and Intelligent Building Operations
- Information Technology/BIM in Civil Engineering and Construction management
- Smart Technologies for Decision Support Making in Urban Planning and Urban Renewal
- Smart Technologies for Managing Carbon Emissions in Construction Industry
- Smart Technologies/Computer Vision for Structural Health Monitoring
- Digital Twin of Civil Infrastructure for Urban Development
- Augmented Reality/Virtual Reality Technologies in Smart Construction





an Open Access Journal by MDPI

## Editor-in-Chief

### **Prof. Dr. Marc A. Rosen**

Faculty of Engineering and  
Applied Science, University of  
Ontario Institute of Technology,  
Oshawa, ON L1G 0C5, Canada

## Message from the Editor-in-Chief

I encourage you to contribute a research or comprehensive review article for consideration for publication in *Sustainability*, an international Open Access journal which provides an advanced forum for research findings in areas related to sustainability and sustainable development. *Sustainability* publishes original research articles, review articles and communications. I am confident you will find the journal contributes to enhancing understanding of sustainability and fostering initiatives and applications of sustainability-based measures and activities.

## Author Benefits

**Open Access:** free for readers, with article processing charges (APC) paid by authors or their institutions.

**High Visibility:** indexed within Scopus, SCIE and SSCI (Web of Science), GEOBASE, GeoRef, Inspec, AGRIS, RePEc, CAPlus / SciFinder, and other databases.

**Journal Rank:** JCR - Q2 (*Environmental Studies*) / CiteScore - Q1 (Geography, Planning and Development)

## Contact Us

---

*Sustainability* Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/sustainability](http://mdpi.com/journal/sustainability)  
[sustainability@mdpi.com](mailto:sustainability@mdpi.com)  
[X@Sus\\_MDPI](https://twitter.com/Sus_MDPI)