



## Building Information Technologies and Building Energy Optimization

Guest Editors:

**Prof. Young Il Kim**

Seoul National University of  
Science and Technology

**Prof. Ji Min Kim**

Seoul National University of  
Science and Technology

**Prof. Dr. Sean Hay Kim**

Seoul National University of  
Science and Technology

Deadline for manuscript  
submissions:

**closed (31 August 2021)**

### Message from the Guest Editors

Smart cities and smart buildings have been regarded as new growth engines for the future of the architecture, engineering, and construction (AEC) industry. Smart cities and buildings integrate information and communication technology (ICT), including internet of things (IoT) networks, building information modeling (BIM), big data analytics, knowledge discovery, augmented reality (AR), virtual reality (VR), etc. The integration of ICTs aims to enhance operational efficiency, performance, interoperability, communication, and service quality, and to reduce costs, resources, and risks in design, construction, operation, and maintenance, as well as the eventual dismantling and regeneration of facilities, infrastructures, and cities.

This Special Issue especially focuses on how the integration of ICTs could optimize the energy performance and sustainability of smart cities and buildings.





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)