



## Future-Ready Sustainable Infrastructure Systems II

Guest Editors:

**Prof. Dr. Lu Aye**

Department of Infrastructure  
Engineering, Faculty of  
Engineering and Information  
Technology, The University of  
Melbourne, Melbourne, VIC 3010,  
Australia

**Dr. Felix Kin Peng Hui**

Department of Infrastructure  
Engineering, Faculty of  
Engineering and Information  
Technology, The University of  
Melbourne, Melbourne, VIC 3010,  
Australia

Deadline for manuscript  
submissions:  
**closed (31 August 2020)**

### Message from the Guest Editors

Recent advances in enabling technologies such as the internet of things, big data analytics, renewable materials, lean manufacturing, and integrated project delivery create opportunities for innovative solutions for future infrastructure systems. They not only aid infrastructure development but also provide positive outcomes for people's wellbeing. It would therefore be beneficial to explore how strategic applications of such enabling technologies, materials or sustainable design and delivery can aid in creating future-ready sustainable infrastructure systems that incorporate scalability and resilience.

The purpose of this Special Issue is therefore to disseminate leading research findings and new knowledge in these research domains. We welcome high quality and original works in these areas that have not been published. The selected proposed manuscripts will be subject to a careful peer review and editorial process.

**Keywords:** Aging population; Climate change; Critical infrastructure; Risk; Resilience; Wellbeing; Enabling technologies; Renewable materials; Compact cities; Energy; Water; Food; Shelter; IoT; Integrated project delivery; Governance; Policy





an Open Access Journal by MDPI

## Editor-in-Chief

**Prof. Dr. Giulio Nicola Cerullo**

Dipartimento di Fisica,  
Politecnico di Milano, Piazza L.  
da Vinci 32, 20133 Milano, Italy

## Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

## 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, CAPlus / SciFinder, and other databases.

**Journal Rank:** JCR - Q2 (*Engineering, Multidisciplinary*) / CiteScore - Q1 (*General Engineering*)

## Contact Us

*Applied Sciences* Editorial Office  
MDPI, St. Alban-Anlage 66  
4052 Basel, Switzerland

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

[mdpi.com/journal/applsci](http://mdpi.com/journal/applsci)  
[applsci@mdpi.com](mailto:applsci@mdpi.com)  
X@Applsci