

Special Issue

Development of Smart Technologies to Enhance Health and Safety in Construction

Message from the Guest Editors

The purpose of this Special Issue is to demonstrate the cutting-edge innovations of smart technologies and present its implementation and practical solutions to improve OHS in the construction sector. It aims to bring this knowledge to the broadest possible audience and accelerate knowledge transfer for smart technologies in reality. Topics may include but are not limited to:

- Wearable devices monitoring the behavior, activity or performance;
- Pattern recognition in individual mobility and activity;
- Digital design for safety;
- Visualization technology identifying unsafe activities/operations;
- Automatic hazard detection and preventive action;
- Proximity avoidance systems;
- Smart safety planning;
- Application of BIM in safety performance tracking;
- Integration of different smart technologies;
- Impacts of smart technologies on changing workers attitudes and behaviors.

Guest Editors

Prof. Dr. Albert P. C. Chan

Shenzhen Research Institute, Hong Kong Polytechnic University,
Shenzhen 518057, China

Dr. Yang Yang

Faculty of Construction and Environment, The Hong Kong Polytechnic University, Hong Kong, China

Deadline for manuscript submissions

closed (31 March 2020)



International Journal of Environmental Research and Public Health

an Open Access Journal
by MDPI

CiteScore 8.5
Indexed in PubMed



mdpi.com/si/27246

International Journal of Environmental Research and Public Health
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
ijerph@mdpi.com

[mdpi.com/journal/
ijerph](http://mdpi.com/journal/ijerph)





International Journal of Environmental Research and Public Health

an Open Access Journal
by MDPI

CiteScore 8.5
Indexed in PubMed



[mdpi.com/journal/
ijerph](http://mdpi.com/journal/ijerph)



About the Journal

Message from the Editor-in-Chief

Addressing the environmental and public health challenges requires engagement and collaboration among clinicians and public health researchers. Scientific discoveries and advances in this research field play a critical role in providing a rational basis for informed decision-making toward control and prevention of human diseases, especially the illnesses that are induced from environmental exposure to health hazards.

IJERPH provides a forum for discussion of discoveries and knowledge in these multidisciplinary fields. Please consider publishing your research in this high quality peer-reviewed journal.

Editor-in-Chief

Prof. Dr. Paul R. Ward

Centre for Public Health, Equity and Human Flourishing, Torrens University Australia, Adelaide 5000, Australia

Author Benefits

Open Access:

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

High Visibility:

indexed within Scopus, PubMed, MEDLINE, PMC, Embase, GEOBASE, CAPlus / SciFinder, and other databases.

Journal Rank:

CiteScore - Q1 (Public Health, Environmental and Occupational Health)