Special Issue

Health, Safety, and Environment (HSE) in the Building and Construction Industry - 2nd Edition

Message from the Guest Editors

We have recently seen the rapid development of advanced technologies to enhance the health, safety, and environment (HSE) in the building and construction industry, along with the Internet of Things (IoT), big data analytics, artificial intelligence (AI), and virtual/augmented reality (VR/AR). The purpose of this Special Issue is to provide a platform for a wide range of professionals to enhance interdisciplinary research and to share the best management practices, focused on health, safety, and environment (HSE) in the building and construction industry.

- Sustainable services and applications for the HSE in the building and construction industry;
- Personalized health and safety management and advanced technologies;
- Physiological and cognitive (psychological) response to the built environment;
- Heat stress and thermal comfort in the built environment;
- AI to understand the relationship between human behavior and the HSE;
- IoT and big data for the HSE;
- Wearable devices for personalized health and safety management in real time;
- Virtual-reality-based training system for the HSE;
- AR and UAV for occupational health and safety management;

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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.

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