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Human Factors in Green Building

Guest Editor:

Dr. Zhonghua Gou
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Deadline for manuscript submissions:
closed (30 June 2018)

Message from the Guest Editor

Over the past decades a green building revolution has taken place in the building industry, aiming to incorporates design, construction and operational practices that significantly reduce, eliminate a building's negative impacts on the environment as well as its occupants. Many countries have announced their green building standards and certification systems. With certified buildings coming into use, post-occupancy studies have been and are being conducted to examine their real performance from users' perspective. These studies contribute important evidence to understanding how green building design could improve occupants' satisfaction, health and wellbeing, which in turn leads to improved productivity and profitability.

This special issue aims to push forward the research, discourse and practice of green building towards more human-oriented design solutions. Particularly, this special issue will collect papers on:

- WELL Building Standard and worldwide practice
- Post-occupancy evaluation of green buildings
- Indoor Environmental Quality (IEQ)
- Quality of life in low carbon living

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Message from the Editor-in-Chief

Current urban environments are home to multi-modal transit systems, extensive energy grids, a building stock, and integrated services. Sprawling neighborhoods are composed of buildings that accommodate living and working quarters. However, it is expected that the cities and communities of the future will face complex and enormous challenges, including maintenance, interconnectivity, resilience, energy efficiency, and sustainability issues, to name but a few. A smart city uses advanced technologies and a digital infrastructure to improve the outcomes in every aspect of a city's operations. A smart building optimizes the experience of occupants, staff, and management by using a modern and connected environment. Innovations in technology that can bring dramatic improvements to design, planning, and policy are critical in developing the cities and buildings of the future.

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