Special Issue

Research on Industrialization and Intelligence in Building Structures

Message from the Guest Editors

Industrialization and intelligence are the new development directions in building structure research, which meet the development needs of performance, economy, environmental protection and other aspects needed to overcome modern challenges. Alongside technological development and innovation in past decades, the new building structure system represented by prefabricated buildings has become a hotspot in building industrialization. Meanwhile, artificial intelligence technology is emerging as a highly researched field and has shown broad prospects in assisting structure building. For these reasons, it is crucial to explore the developments and implementations of new structural systems, materials, methods and technologies in the wide realm of building structure industrialization and intelligence; therefore, this Special Issue of *Buildings* "Industrialization and Intelligence in Building Structures" will address these areas.

Guest Editors

Dr. Pengcheng Li
School of Civil Engineering, Chongqing University, Chongqing 400044, China

Dr. Hao Wang
School of Civil Engineering, Shandong Jianzhu University, Jinan 250101, China

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Buildings
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
buildings@mdpi.com

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About the Journal

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.

Editor-in-Chief

Prof. Dr. David Arditi
Construction Engineering and Management Program, Department of Civil, Architectural, and Environmental Engineering, Illinois Institute of Technology, 3201 South Dearborn Street, Chicago, IL 60616, USA

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