Special Issue

Building Aesthetics and Technical Systems: Exploring the Intersection of Design and Functionality

Message from the Guest Editor

The built environment has the power to influence the quality of life and well-being of those who live, work, and interact within it. As such, it is essential to consider the role of aesthetics in building design, which can improve the physical, emotional, and psychological experience of building occupants. At the same time, technical systems are crucial to ensuring the safety, durability, and sustainability of buildings. This Special Issue aims to bring together research and practical applications that showcase innovative approaches in building aesthetics and technical systems.The topics to be explored may include but are not limited to:

- The influence of aesthetic design elements on building occupants' well-being and productivity
- The integration of renewable energy systems and sustainability considerations in building design
- The role of emerging technologies in building design, such as 3D printing, BIM, and VR
- The importance of technical systems, such as mechanical, electrical, and plumbing (MEP) systems, in building design and construction
- The challenges and opportunities in balancing aesthetics and technical requirements in building design

Guest Editor

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Deadline for manuscript submissions

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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

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