Special Issue

Rehabilitation of Obsolete Neighbourhoods

Message from the Guest Editors

This Special Issue aims to address the obsolescence of numerous residential centres built at the beginning of the second half of the 20th century, which attempted to provide a solution to the high migration to the cities. The passage of time, coupled with the global energy crisis and climate change, makes it particularly relevant to analyse different strategies and methodologies for the rehabilitation of housing (and their urban environments) that aim to save energy and improve the comfort and habitability conditions for people, especially those who are most vulnerable. Four possible lines of research have been established:

- Heritage/Culture;
- Comfort/Health;
- Materiality/Construction;
- Energy/Conditioning.

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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.

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