Special Issue

Urban Sustainability and Digital Building Management

Message from the Guest Editors

Rapid urbanization in modern society poses inevitable challenges in terms of the pollution of natural and built environments and shortages in energy. As the foundation of cities, buildings hold the key to sustainable development. The emerging trends of digitalization show new potential for innovative solutions to be used to improve the sustainability of buildings, communities, and cities. New multi-focal analyses and multi-disciplinary approaches can help people to better understand the complicated inter-relationships among energy efficiency, facility upgrades, carbon footprint, the microclimate, pollution, building mobility, and city management. This Special Issue, entitled "Urban Sustainability and Digital Building Management", is dedicated to advancing the understanding of the abovementioned topics and provides an opportunity for researchers to originate, discuss, share, and disseminate new ideas. For scholars interested to submit papers to the Special Issue, please click "Submit to Special Issue" or contact
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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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