Special Issue

Energy and Climate Policy in Practice: Insights from Sustainable, Smart and Resilient Buildings

Message from the Guest Editors

This Special Issue seeks to explore the experiences, interpretations, and practical implementations of energy and climate policies in buildings, focusing on the challenges and opportunities present across different building contexts. **Key Areas of Focus:**

- The influence of smart technologies and digital tools on the implementation of climate and energy policies.
- Integration of resilience strategies in building design, operation, and management.
- The impact of energy and climate policies on indoor environmental quality (IEQ), including aspects like thermal comfort, air quality, lighting, and acoustics, to ensure health and well-being alongside energy efficiency.
- How users, professionals, and institutions shape and respond to policy outcomes.
- The interaction between policy, behavior, and technology in real-world building settings.
- The role of lived experiences in informing inclusive and effective energy and climate strategies.
- The use of AI-based technologies in optimizing energy use, predicting performance, and supporting policy compliance in buildings.

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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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