



Towards Zero Emission and Energy Intelligent Buildings

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Message from the Guest Editors

Dear Colleagues,

As the world population increases and the pace of urbanization continues unabated, the construction of smart cities with large commercial and residential buildings is expected to accelerate. The concept of zero-emission and smart buildings promises to usher in a new age of urban energy efficiency.

This Special Issue aims to introduce research methodologies and case studies that address the topics related to smart, healthy, zero-emission grid-interactive efficient buildings, and real-world applications. Original research articles and reviews are welcome. Research areas may include the following:

- Evaluation of technologies related to energy efficiency and flexibility in smart buildings;
- Advanced control schemes for demand flexibility in buildings;
- Artificial intelligence and IoT in smart buildings;
- Hybrid renewable residential microgrids;
- Zero-emissions buildings;
- Efficient measures for reducing building-related carbon emissions;
- Building design with constructal theory.

We look forward to receiving your contributions.

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