



## Advanced Energy Systems and Technologies for Building Energy Efficiency to Achieve Sustainability

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### Message from the Guest Editors

In this Special Issue, original research articles and reviews are welcome. Research areas may include (but are not limited to) the following:

- **Advanced Energy Systems:** Exploration of cutting-edge energy systems like microgrids, renewable energy sources, and energy storage in the context of building applications;
- **Smart Control Technologies:** Investigation into intelligent control systems that optimize energy consumption, enhance occupant comfort, and contribute to grid stability;
- **Building Information Modeling (BIM):** Use of BIM for energy analysis, life cycle assessment, and real-time monitoring to improve building sustainability;
- **Life Cycle Assessment:** Comprehensive studies that evaluate the environmental impact of building materials, construction processes, and operational efficiency;
- **Human–Building Interactions:** Examination of how human behavior impacts energy consumption and how this can be modeled to improve building performance;
- **Socio-Economic Factors:** Consideration of the economic feasibility and social implications of implementing advanced energy and control systems in buildings;





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## Message from the Editor-in-Chief

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