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

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Deadline for manuscript submissions:
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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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