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# New Insights into Building Automation System and Energy Integration

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Message from the Guest Editors

In light of the environmental issues that we are facing (urban sprawl, pollution, resource depletion, climate change) and consequent policies to minimize the environmental impact of the energy system, smart buildings have become central, given the relevance of the building stock. Buildings are on the utilization side of the power system, and users' behavior dictates the energy demand. On the other hand, buildings provide opportunities for the integration of innovative systems, i.e., renewable energy generation, storage, mobility systems, and their integration. To take full advantage of such elements, considering weather and users' dynamics, control systems are necessary.

On these grounds, the target of this Special Issue is to investigate innovative elements in building automation to contribute to the efficient use and production of energy in buildings.

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- building automation
- home automation
- smart building
- building energy management system
- energy storage
- battery energy storage system
- electrical mobility
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- renewable energy system
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