

## Special Issue

# Advanced Design and Control Solutions for Grid-Interactive Energy Efficient Buildings

### Message from the Guest Editors

This Special Issue will focus on "Advanced Design and Control Solutions for Grid-Interactive Energy Efficient Buildings" with the aim of exploring state-of-the-art approaches and cutting-edge research on grid-interactive buildings. Topics of interest include, but are not limited to:

- Smart building technologies for energy optimization;
- Building-integrated renewable energy;
- Demand response strategies and load management in smart cities;
- Advanced building automation and control systems;
- Machine learning and artificial intelligence applications in building control;
- Grid-interactive building modeling and simulation;
- Building-to-grid (B2G) and vehicle-to-grid (V2G) integration;
- Microgrids and distributed energy resource (DER) management;
- Economic and market analysis of grid-interactive energy efficient buildings;
- Demand response strategies for responding to real-time grid signals;
- Real-world implementation and case studies of grid-interactive energy efficient buildings.

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### Guest Editors

Dr. Saleh N. J. Al-Saadi

Dr. Razzaqul Ahshan

Dr. Riadh Zaier

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### Deadline for manuscript submissions

closed (30 November 2024)



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### Message from the Editor-in-Chief

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### Editor-in-Chief

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