



## Renewable Energy Integration and Application in Buildings for Carbon Neutrality

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### Message from the Guest Editors

The Special Issue covers all aspects of science and technology concerned with renewable energy development, utilization, storage, and integration with building systems. Topics covered include but are not limited to:

- Renewable energy technologies (solar thermal, solar photovoltaic, wind, geothermal, etc.) and their integration with buildings
- Green building materials
- Energy demand and management, and smart buildings
- Climate responsive architectural design
- Energy efficient building envelope and system
- Low-energy architecture
- Hydrogen and fuel cell technology integrated with buildings
- Building energy systems, conservation, and generation
- Economics of green building and cost models/methods
- Emerging technologies for sustainable facilities and infrastructure
- Full-spectrum solar energy utilization in buildings
- Thermal and electrical energy storage systems
- Radiative sky cooling technologies integrated with buildings
- Energy sharing and trading among building sectors





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