



Renewable Energy Integration and Application in Buildings for Carbon Neutrality

Guest Editors:

Prof. Dr. Lin Lu

Department of Building
Environment and Energy
Engineering, The Hong Kong
Polytechnic University, Hong
Kong, China

Dr. Jianheng Chen

Department of Building
Environment and Energy
Engineering, The Hong Kong
Polytechnic University, Hong
Kong, China

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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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Prof. Dr. Marc A. Rosen

Faculty of Engineering and
Applied Science, University of
Ontario Institute of Technology,
Oshawa, ON L1G 0C5, Canada

Message from the Editor-in-Chief

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Sustainability Editorial Office
MDPI, St. Alban-Anlage 66
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