

Special Issue

Energy Efficiency & RES in Building Communities: Challenges and Opportunities of Comprehensive Building Renovations at District and Urban Level

Message from the Guest Editors

Some specific topics include but are not limited to the following:

- Energy/economic/environmental analysis of building clusters: simulation tools, strategies and assessment methodologies at district level
- Performance gap in energy renovations at district level: measured data vs calculated data
- Key Performance Indicators (KPIs) for the estimation of the energy and environmental performance of thermal systems in buildings and districts
- Potential of smart heating systems and zonal space heating controls for reducing energy consumption in buildings
- Influence of occupants' behaviour on energy consumption: control systems and strategies for increasing occupants' awareness of energy consumption and costs and promoting saving behaviours and more efficient energy use (e.g. individual metering and charging)
- Definition of electricity, DHW and occupancy profiles as tools for estimating energy saving measures in buildings at urban scale
- Building and district-level building occupancy measurement, estimation and modelling: effects on energy issue

Guest Editors

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Deadline for manuscript submissions

closed (31 October 2022)



Sustainability

an Open Access Journal
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Impact Factor 3.3
CiteScore 7.7



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