



Modeling Building Energy and Environmental Systems in the Built Environment

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Deadline for manuscript
submissions:

closed (30 June 2022)

Message from the Guest Editor

This Special Issue focuses on recent advances in modeling building energy and environmental systems in the built environment. The scope of this Special Issue entails modeling building energy and environmental systems at different scales ranging from the building components (e.g., blinds, light fixtures) to city-scale modeling. This issue welcomes submissions that verify and validate their models with measured data or on-site collected data. Possible topics of interest are:

- Developing next generation of building energy and environmental systems modeling tools to design, operate, and retrofit buildings
- Establishing novel building energy modeling techniques to account for the building scale, urban scale, district scale, and city scale
- Leveraging building information modeling (BIM), geographic information system (GIS), industrial foundation classes (IFC), digital twins, or similar tools to model building energy and environmental systems in the built environment
- Advancing our modeling techniques to quantify impacts of occupancy patterns and behaviors in residential and commercial buildings





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