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Heat and Mass Transfer in Building Energy Performance Assessment

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Deadline for manuscript submissions:
closed (20 September 2019)

Message from the Guest Editors

This Special Issue aims at providing recent developments in laboratory analyses, computational modeling and in situ measurements related to the assessment of building energy performance based on the proper identification of heat and mass transfer processes in building structures.

Potential topics include but are not limited to the following:

- Development, calibration and validation of advanced mathematical models for the description of heat and mass transfer in building materials and structures
- Computational modeling of heat and mass transfer in building materials and structures aimed at energy performance assessment
- Boundary conditions for building energy performance simulations in light of climate change trends
- Advanced experimental techniques for the determination of heat and mass transport and the storage properties of building materials
- On site monitoring and verification of building energy performance
- Research and development of new materials with high potential to improve the energy performance of buildings

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Message from the Editor-in-Chief

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