



Heat Transfer in Buildings

Guest Editors:

Dr. Suvash C. Saha

School of Mechanical and Mechatronic Engineering, Faculty of Engineering & Information Technology, University of Technology Sydney, Broadway, NSW 2007, Australia

Prof. Dr. Feng Xu

School of Civil Engineering, Beijing Jiaotong University, Beijing 100044, China

Prof. Dr. Yifan Fan

College of Civil Engineering and Architecture, Zhejiang University, Hangzhou 310058, China

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Message from the Guest Editors

Building energy consumption has reached approximately 30% of the global energy consumption, which is very large and creates a huge challenge to achieve a global plan of energy conservation and emission reduction or even carbon neutralization in the future. Accordingly, it is important to assess energy consumption in buildings for engineers, designers and businesses in the society of buildings. More than 50% of energy consumption in buildings is related to heating, cooling and ventilation, which are significantly affected by heat transfer in buildings. Further, understanding of heat transfer in buildings is of practical significance and is interesting for researchers.

The Special Issue is aimed at collecting high-level research on such fields as: heat transfer in buildings, convection, ventilation, flow visualization, measurement of thermal environment, assessment of thermal comfort, utilization of solar roofs, solar chimneys and energy components in buildings, and the role of BIPV and BAPV in energy consumption and emission reduction.





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Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo
Dipartimento di Fisica,
Politecnico di Milano, Piazza L.
da Vinci 32, 20133 Milano, Italy

Message from the Editor-in-Chief

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