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# Thermal Comfort in Built Environment: Challenges and Research Trends

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Deadline for manuscript submissions:
**closed (31 January 2024)**

## Message from the Guest Editors

Future development of human thermal comfort research will mostly take two paths: one is the thorough scientific understanding of the complex relationship between people and their surrounding thermal environment, not just for human comfort needs, but also with an emphasis on the implications for health; the second is the potential for technical improvement brought on by these fresh scientific discoveries, which has the potential to increase individual thermal comfort while also lowering the amount of energy needed to sustain thermal conditions in buildings.

Topics covered in this Special Issue include but are not limited to thermal comfort, health, personal comfort system, thermal environment and building energy performance. This Special Issue welcomes excellent original contributions and high-impact works, with the goal of thermal comfort research in special spaces, special populations, and special equipment.

For further reading, please follow the link to the Special Issue Website at:

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## Editor-in-Chief

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## Message from the Editor-in-Chief

Current urban environments are home to multi-modal transit systems, extensive energy grids, a building stock, and integrated services. Sprawling neighborhoods are composed of buildings that accommodate living and working quarters. However, it is expected that the cities and communities of the future will face complex and enormous challenges, including maintenance, interconnectivity, resilience, energy efficiency, and sustainability issues, to name but a few. A smart city uses advanced technologies and a digital infrastructure to improve the outcomes in every aspect of a city's operations. A smart building optimizes the experience of occupants, staff, and management by using a modern and connected environment. Innovations in technology that can bring dramatic improvements to design, planning, and policy are critical in developing the cities and buildings of the future.

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