

Special Issue

Climate-Sensitive Urban Planning and Design in the Warming World

Message from the Guest Editor

The urban climate is facing unprecedented challenges due to rapid urbanization and climate change. The urban heat island phenomenon has been exacerbated by the increasing frequency, duration and intensity of temperature extremes. It deteriorates the environmental quality and, hence, the livability of urban areas. Climate-sensitive urban planning and design emerge as solutions to combat the warming trend in urban areas.

This Special Issue aims to address the gaps in the knowledge of tackling urban climate issues through climate-sensitive urban planning and design. It is open to contributions (original research papers and a limited number of reviews of state-of-the-art technological and theoretical approaches) that explore the development and applications of climate-sensitive urban planning and design. This includes using field studies and numerical techniques to assess the urban climate or associated environmental quality at various spatial scales as well as to evaluate the performance of climate-sensitive urban planning and design. Papers describing the applications in local policy framework of urban planning and design are also encouraged.

Guest Editor

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Deadline for manuscript submissions

closed (28 February 2022)



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Editor-in-Chief

Prof. Dr. Steve W. Lyon

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