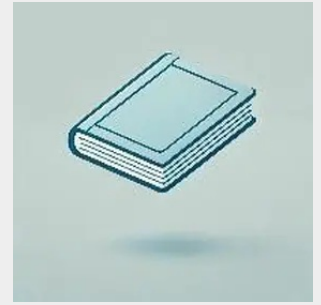


Urban Morphology, Climate, and Computing

Adapting the Built Environment to Future Climate Scenarios

Urban Morphology, Climate, and Computing: Adapting the Built Environment to Future Climate Scenarios examines the relationship between climate science, environmental impact, and urban planning. Through detailed climate models and AI-driven parametric studies, it offers practical insights into how urban morphology interacts with climate factors, influences environmental conditions, and threatens environmental sustainability. This book addresses the risks posed by urbanization, such as the urban heat island effect, heat stress, and extreme weather events. It also provides strategies to mitigate these impacts by employing big data engineering, modelling techniques, and AI technologies.

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