

Addressing the climate in modern age's construction history: between architecture and building services engineering

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Abstrak

This book sheds light on environmental control in buildings from the 17th century onwards. Even before building services became a hallmark of buildings, in order to address increasing sanitary and comfort needs, pioneering experiences had contributed to improve design skills of professionals. After long being determined by passive features, indoor climate became influenced by installations and plants, representing the most significant shift of paradigm in the modern ages construction history. This change was not without consequences, and the book presents contributions showing the deep connection between architectural design, comfort requirements and environmental awareness throughout the 19th century. Taking into account the differences between different European countries, the book is a valuable resource for architects, designers and heritage professionals who are interested in environmental design, enabling them to develop a deeper knowledge of heritage in order to address to climate demands, particularly going towards a future in which energy savings and fuel consumption reduction will dictate our behaviour.

It includes contributions by leading international experts: Melanie Bauernfeind, Marco Cofani, Lino Vittorio Bozzetto, Emmanuelle Gallo, Alberto Grimoldi, Dean Hawkes, Angelo Giuseppe Landi, Mattias Legner, Oriel Prizeman, and Henrik Schoenefeldt.