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Autore	Berardi Umberto
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Sommario/riassunto	This book contains selected papers presented at the 9th edition of the official triennial conference of the International Association of Building Physics (IABP), held in Toronto, Ontario, Canada on 25-27 July, 2024. The contents make valuable contributions to academic researchers and practioners of the building sector. Readers will encounter new ideas for realizing more efficient and resilient buildings and cities. The approach followed in the book aims to explore how building physics can be explored using multi domains and scales.