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Nota di contenuto	Cover -- Title Page -- Copyright -- Contents -- Preface -- About the Author -- List of Units and Symbols -- Introduction -- Chapter 1 Ambient Conditions Out and Indoors -- 1.1 Overview -- 1.2 Outdoors -- 1.2.1 In General -- 1.2.2 Air Temperature -- 1.2.3 Solar Radiation -- 1.2.3.1 In General -- 1.2.3.2 Beam Radiation -- 1.2.3.3 Diffuse Radiation -- 1.2.3.4 Reflected Radiation -- 1.2.3.5 Total Radiation -- 1.2.4 Clear Sky Long Wave Radiation -- 1.2.5 Relative Humidity (RH) and (Partial Water) Vapour Pressure -- 1.2.6 Wind -- 1.2.6.1 Impact -- 1.2.6.2 Wind Speed -- 1.2.6.3 Wind Pressure -- 1.2.7 Rain -- 1.2.7.1 Impact -- 1.2.7.2 Precipitation -- 1.2.7.3 Winddriven Rain -- 1.2.8 Microclimate Around Buildings
Sommario/riassunto	This book, 'Applied Building Physics' by Hugo Hens, explores the principles of building physics, focusing on ambient conditions, functional demands, and building part requirements. It presents an in-depth analysis of heat, air, and moisture interactions at both building and assembly levels. The book aims to enhance building design and

construction quality by applying sound building physics principles. It reflects decades of research and teaching experience in the field, making it a valuable resource for building engineers and students with foundational knowledge in building physics. The text serves as a practical guide for improving building performance and durability.
