

1. Record Nr.	UNINA9910483400203321
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Titolo	Optimization of the characterization of the thermal properties of the building envelope : analysis of the characterization of the facades using artificial intelligence // David Bienvenido-Huertas, Carlos Rubio-Bellido
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2021
ISBN	3-030-63629-1
Edizione	[1st ed. 2021.]
Descrizione fisica	1 online resource (vi, 72 pages) : illustrations (some color)
Collana	SpringerBriefs in Applied Sciences and Technology, , 2191-5318
Disciplina	720.47
Soggetti	Buildings - Thermal properties - Data processing Heat - Transmission Heat engineering Sustainable architecture Mass transfer
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	The Influence of the Thermal Properties -- Methods to Assess the Thermal Properties -- Methodological Framework of Artificial Intelligence -- Estimation of Stationary Thermal Properties -- Estimation of Periodic Thermal Properties -- Analysis of Other Approaches to Experimental Thermal Characterization.
Sommario/riassunto	This book is about the optimization of the characterization of the thermal properties of building envelopes, through experimental tests and the use of artificial intelligence. It analyses periodic and stationary thermal properties using measurement approaches based on the heat flow meter method and the thermometric method. These measurements are then analysed using advanced artificial intelligence algorithms. The book is structured in four parts, beginning with a discussion of the importance of thermal properties in the energy performance of buildings. Secondly, theoretical and experimental methods for characterizing thermal properties are analysed. Then, the methodology is developed, and the characteristics and properties of the

algorithms used are explored. Finally, the results obtained with the algorithms are analysed and the most appropriate approaches are determined. This book is of interest to researchers, civil and industrial engineers, energy auditors and architects, by providing a resource which improves energy audit tasks in existing buildings.

2. Record Nr.	UNINA9910333134603321
Titolo	Fungal genetics and biology : FG & B
Pubbl/distr/stampa	[San Diego, CA], : Academic Press
ISSN	1096-0937
Disciplina	589
Soggetti	Mycology Fungi - Genetics Fungi Biology Fungi - genetics Biology - periodicals Fungi - genetics - periodicals Mycologie Champignons - Genetique Champignons Biologie biology periodicals. Periodicals. Periodiques.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Periodico
Note generali	Refereed/Peer-reviewed

