1. Record Nr. UNINA9910299611403321

Autore	Fabbri Kristian
Titolo	Indoor Thermal Comfort Perception : A Questionnaire Approach Focusing on Children / / by Kristian Fabbri
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2015
ISBN	3-319-18651-5
Edizione	[1st ed. 2015.]
Descrizione fisica	1 online resource (304 p.)
Collana	SpringerBriefs in Applied Sciences and Technology
Disciplina	621.042
Soggetti	Energy policy Energy and state Building construction Interior architecture Interiors Environmental health Cognitive psychology Energy Policy, Economics and Management Building Physics, HVAC Interior Architecture and Design Environmental Health Cognitive Psychology
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references at the end of each chapters.
Nota di contenuto	Introduction -- A brief history of thermal comfort: from Effective Temperature to Adaptive Thermal Comfort -- Ergonomics of the thermal environment. Human Body and Clothes -- The indices of feeling – Predicted Mean Vote PMV and Percentage People Dissatisfied PPD -- Assessment of the influence of the thermal environment using subjective judgement scales -- The Thermal Comfort and Child Development Psychology -- Field research -- Kindergarten Case Study -- Elementary School case study -- Middle School case study -- Conclusions.
Sommario/riassunto	Providing a methodology for evaluating indoor thermal comfort with a

focus on children, this book presents an in-depth examination of children's perceptions of comfort. Divided into two sections, it first presents a history of thermal comfort, the human body and environmental parameters, common thermal comfort indexes, and guidelines for creating questionnaires to assess children's perceptions of indoor thermal comfort. It then describes their understanding of the concepts of comfort and energy, and the factors that influence that perception. In this context, it takes into account the psychological and pedagogical aspects of thermal comfort judgment, as well as architectural and environmental characteristics, and equips readers with the knowledge needed to effectively investigate children's perspectives on environmental ergonomics. The research field of indoor thermal comfort adopts, on the one hand, physical parameter measurements and comfort indexes (e.g. Predicted Mean Vote (PMV) or adaptive comfort), and on the other, an ergonomic assessment in the form of questionnaires. However the latter can offer only limited insights into the issue of comfort, as children often use different terms than adults to convey their experience of thermal comfort. The books aims to address this lack of understanding with regard to children's perceptions of indoor thermal comfort. The book is intended for HVAC engineers and researchers, architects and researchers interested in thermal comfort and the built environment. It also provides a useful resource for environmental psychologists, medical and cognitive researchers. psychological and pedagogical aspects of thermal comfort judgment, as well as architectural and environmental characteristics, and equips readers with the knowledge needed to effectively investigate children's perspectives on environmental ergonomics. The research field of indoor thermal comfort adopts, on the one hand, physical parameter measurements and comfort indexes (e.g. Predicted Mean Vote (PMV) or adaptive comfort), and on the other, an ergonomic assessment in the form of questionnaires. However the latter can offer only limited insights into the issue of comfort, as children often use different terms than adults to convey their experience of thermal comfort. The books aims to address this lack of understanding with regard to children's perceptions of indoor thermal comfort. The book is intended for HVAC engineers and researchers, architects and researchers interested in thermal comfort and the built environment. It also provides a useful resource for environmental psychologists, medical and cognitive researchers.