1. Record Nr. UNINA9910842291203321

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Titolo	Thermal Comfort Perception : A Questionnaire Approach Focusing on Children / / by Kristian Fabbri
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2024
ISBN	9783031526107
Edizione	[2nd ed. 2024.]
Descrizione fisica	1 online resource (383 pages)
Disciplina	333.79
Soggetti	Energy policy Energy and state Buildings - Environmental engineering Interior architecture Environmental health Cognitive psychology Energy Policy, Economics and Management Building Physics, HVAC Interior Architecture Environmental Health Cognitive Psychology
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	Part I: Thermal Comfort and children Thermal Cognitive Knowledge -- 1. Introduction -- 2. A brief history of thermal comfort: from Effective Temperature to Adaptive Thermal Comfort -- 3. Ergonomics of the thermal environment. Human Body and Clothes -- 4. The indoor thermal comforto indexes PMV and PPD -- 5. Assessment of the influence of the thermal environment using subjec-tive judgement scales -- 6. The Thermal Comfort and Child Development Psychology -- 7. New classroom: indoor air quality and distance learning -- Part II: Case studies -- 8. Field research -- 9. Kindergarten Case Study -- 10. Elementary School case study -- 11. Middle School case study -- Part III: New Deal -- 12. Architecture, comfort and emotion in the classroom (air, smell, color) -- 13. Outdoor Education and Thermal Comfort --

14. Conclusions. .

Sommario/riassunto

This book offers a comprehensive exploration of children's understanding and experiences of thermal comfort. The book provides a methodology for evaluating comfort that takes into account the unique perspectives of children. The first part of the book provides an overview of the history of thermal comfort, the human body and environmental parameters, and common thermal comfort indexes. It also offers guidelines for creating questionnaires that accurately assess children's perceptions of indoor thermal comfort. The book then delves into children's understanding of the concepts of comfort and energy, as well as the factors that influence their perception of these concepts. It addresses the psychological and pedagogical aspects of thermal comfort judgment, as well as the architectural and environmental characteristics that contribute to children's perceptions of comfort. First published as Indoor Thermal Comfort Perception, this updated edition also includes new sections on architecture and sensitivity, exploring the impact of classroom spaces on learning, and outdoor education and thermal comfort outdoors, based on qualitative research. These additions provide valuable insights for future studies on these topics. While physical parameter measurements and comfort indexes are useful in thermal comfort, the book emphasizes the importance of ergonomic assessments in the form of questionnaires, which offer unique insights into children's experiences. The book fills a critical gap in understanding children's perceptions of thermal comfort and is essential reading for HVAC engineers, architects, environmental psychologists, and researchers in the medical and cognitive fields.