

1. Record Nr.	UNINA9910568292003321
Autore	Gales John
Titolo	Fire evacuation and exit design in heritage cultural centres // John Gales [and five others]
Pubbl/distr/stampa	Singapore : , : Springer, , [2022] ©2022
ISBN	981-19-1360-9
Descrizione fisica	1 online resource (66 pages)
Collana	SpringerBriefs in Architectural Design and Technology
Disciplina	628.9
Soggetti	Buildings - Evacuation Fire escapes
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Intro -- Acknowledgements -- Contents -- 1 Introduction to Fire Evacuation and Exit Design in Heritage Cultural Centres -- 1.1 Introduction to Fire and Human Behaviour -- 1.2 Cultural Centre Case Study -- 1.3 State of the Art in Human Behaviour in Fire -- 1.4 Research Objectives -- 1.5 Case Study Building Architecture and History -- 1.6 Ethics and Related Limitations -- 1.7 Book Summary -- References -- 2 Data Collection for Evacuations of a Heritage Cultural Centre -- 2.1 Introduction -- 2.2 Methods of Data Collection -- 2.3 Scenario 1-Unplanned Evacuation -- 2.4 Scenario 2-First Planned and Unannounced Annual Drill -- 2.5 Scenario 3-Second Planned and Unannounced Annual Drill -- 2.6 Summary -- References -- 3 Human Behavioural Analysis for Evacuations of a Heritage Cultural Centre -- 3.1 Introduction -- 3.2 Methods of Analysis -- 3.3 Scenario 1-Unplanned Evacuation -- 3.4 Scenario 2-First Planned and Unannounced Annual Drill -- 3.5 Scenario 3-Second Planned and Unannounced Annual Drill -- 3.6 Summary -- References -- 4 Architectural Implications for Evacuation Modelling of a Heritage Cultural Centre -- 4.1 Introduction -- 4.2 Exit Usage and Behaviours Affecting Selection -- 4.3 Evacuation Times Observed -- 4.4 Movement Profiles for Modelling -- 4.5 Evacuation Modelling Validation -- 4.6 Architectural and Heritage Considerations for Evacuation Modelling -- 4.7 Summary -- References -- 5 Strategies for Effective Evacuation

of Heritage Cultural Centres -- 5.1 Summary -- 5.2 Study Limitations
-- 5.3 Strategies Used to Enhance Egress in the Cultural Centre -- 5.4
The Future of Evacuation Modelling -- References.
