

1. Record Nr.	UNINA9910483625703321
Titolo	Case studies in building constructions // J. M. P. Q. Delgado, editor
Pubbl/distr/stampa	Cham, Switzerland : , : Springer, , [2021] ©2021
ISBN	3-030-55893-2
Edizione	[1st ed. 2021.]
Descrizione fisica	1 online resource (VII, 154 p. 98 illus., 71 illus. in color.)
Collana	Building Pathology and Rehabilitation ; ; Volume 15
Disciplina	691
Soggetti	Building materials Building construction and design
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Prince Wales Museum: Revitalization of European Painting Store -- Analysis of Temperature and Humidity Variation in the Stone Chamber of Takamatsuzuka Tumulus from Construction of the Conservation Facility to Before the Dismantlement of the Stone Chamber -- Estimation of Seismicity Parameters and a Backpropagation Neural Network for Prediction of Earthquake Magnitude in Northeast Region of India -- A New Approach for Assessment of the Coating Mortar Adherence in Ancient Masonries through Ultrasonic Data -- A Novel Approach for Detection of Voids in Traditional Load-Bearing Masonries Based on Ultrasonic Data -- Pathological Manifestations in a Building at the End of Its Lifespan: A Case Study -- Comparative Study of Consumption and Life-Cycle Impacts of Water Heating Systems for Residential Multi-familiar Buildings in Rio de Janeiro, Brazil.
Sommario/riassunto	The book presents recent research and a collection of case studies and real-world experiences relating to building construction. Covering building rehabilitation, building diagnostics, service-life prediction and life-cycles, and hygrothermal behaviour, it bridges the gap between current approaches to the surveying of buildings and the detailed study of defect diagnosis, prognosis and remediation. The book features several case studies on building pathologies as well as a detailed set of references and suggestions for further reading. Offering a systematic review of the current state of knowledge, it is a valuable resource for

scientists, students, practitioners, and lecturers in various scientific and engineering disciplines, including civil and materials engineering, as well as and other interested parties. .
