1. Record Nr. UNINA9911049203903321

Autore	Osman Ahmad
Titolo	Advances in Nondestrutive Evaluation Technologies for the Preservation of Cultural Heritage / / edited by Ahmad Osman, Antonia Moropoulou, Kyriakos Lampropoulos
Pubbl/distr/stampa	Cham : , : Springer Nature Switzerland : , : Imprint : Springer, , 2025
ISBN	3-032-13156-1
Edizione	[1st ed. 2025.]
Descrizione fisica	1 online resource (492 pages)
Collana	Springer Proceedings in Materials, , 2662-317X ; ; 101
Disciplina	530.8 530.7
Soggetti	Measurement Measuring instruments Cultural property Cultural property - Protection Historic preservation Measurement Science and Instrumentation Cultural Heritage Conservation and Preservation
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Sommario/riassunto	This book reports on the latest advancements of non-destructive testing and structural techniques as applied on a wide range of cultural heritage applications. Specifically, it covers relevant research on advanced sensing techniques and modern signal and image processing for diagnosis, redesign and health monitoring, applications of non-destructive assessment of the resilience of cultural heritage assets to climate change and natural hazards and digital non-destructive documentation techniques and methods for digital heritage. Based on contributions to the 4th International Conference on Transdisciplinary Multispectral Modelling and Cooperation for the Preservation of Cultural Heritage—Addressing World Challenges, TMM-CH2025, held on April 3–9, 2025, in Athens, Greece, thus, the book offers a timely

reference for both academics and scientists, engineers, architects, archaeologists, conservators, geologists, art historians and interested stakeholders and public, as an initial source of recent scientific advancements on non-destructive techniques and technologies that are utilized for monitoring, documenting and preserving the world cultural heritage in a holistic approach.