Record Nr. UNINA9910349516203321 Nondestructive Evaluation and Monitoring Technologies, **Titolo** Documentation, Diagnosis and Preservation of Cultural Heritage // edited by Ahmad Osman, Antonia Moropoulou Cham:,: Springer International Publishing:,: Imprint: Springer,, Pubbl/distr/stampa 2019 3-030-25763-0 **ISBN** Edizione [1st ed. 2019.] 1 online resource (259 pages) Descrizione fisica Springer Proceedings in Materials, , 2662-317X Collana Disciplina 620.1127 Soggetti Materials - Analysis Cultural property Mathematical physics Characterization and Analytical Technique Cultural Heritage Theoretical, Mathematical and Computational Physics Lingua di pubblicazione Inglese Materiale a stampa **Formato** Livello bibliografico Monografia Note generali Includes index. Nota di contenuto From the content: Diagnostic research of the Dome of the superstructure of the Holy Aedicule of the Holy Sepulchre in Jerusalem-Suggestions for maintenance and rehabilitation -- Multidisciplinary documentation using non-destructive testing techniques for the diagnostic study of an Ancient Temple -- Digitalisation and ngerprint identication of Roman Terra Sigillata pottery -- Non-destructive analysis of byzantine gold-leaf glass tesserae using Ion Beam analysis. This book highlights the benefits of Non-Destructive Testing (NDT) Sommario/riassunto methods and their applications on several cultural heritage sites including the Holy Selphuchre Monitoring System in Jerusalem. This book demonstrates Nondestructive sensing technologies and inspection modules as main tools for documentation, diagnosis, characterization, preservation planning, monitoring and quality of restoration, assessment and evaluation of material and preservation work. .