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Nota di contenuto	Part 1 Conservation and management -- Guidelines for the masonry quality evaluation in built heritage. G. Cardani -- Heritage information management package (himp) technology and experience driven approach towards efficiently managing India's built heritage sites. K. Rajangam, P. Modi -- Planning for the historic built in developing countries: challenges and opportunities through the case study of Multan (Pakistan). E. Bersani; M. Giambruno; S. Pistidda -- Inventory, preservation and valorization of historic roads in Lombardy Region (Italy). Current policies and future plans. A. Cazzani, C. Sangiorgio --

Guidelines for eco-efficiency in the UNESCO site of Cinque Terre: an example of best practice. L. De Marco, G. Franco, A. Magrini -- Grancia of Cuna: from the complexity of the historical building to a composed knowledge for the project. S. Dandria, F. Gabbrielli, M. Giamello, E. Giorgi, A. Magrini, E. Manzoni, F. Randazzo -- The chapel of the Blessed Virgin of Miracles: a multidisciplinary approach for the project of conservation and reuse. E. Ciocchini, A. Maiocchi, F. Zangheri -- The medieval Castle of Fossa (AQ). Analysis and restoration project. C. Carocci, F. Campisi, I. Tranchina -- The process surrounding the preservation of historical wooden architecture in Japan. T. L. Park -- Anthropology of Design: how traditional Korean architecture is redefining the terms of conservation, collaboration, and sustainable management. P. Barrera, P.E. Bartholomew -- Dynamic and seismic assessment of the Gabbia tower in Mantua, Italy. Antonella Saisi, M. Guidobaldi, C. Gentile, L. Cantini -- Past, present and future of the forgotten places in the ancient "Ospedale Maggiore" (Ca' Granda) in Milan. Studies, surveys, analysis, prospects and projects. M. Carlessi -- A fortress for Brescia: the enhancement of the Castle and the Cidneo Hill. Nicola Berlucchi -- Recovery and reuse of the architectural and urban heritage of Carbonia, a 20th-Century company town. Materials for a Handbook for the Recovery. A. Sanna, G. Monni -- A Model for an Integrated Multi-disciplinary approach for the Preservation of 20th Century and Modernist Architectural Heritage. Y. Salman; Z.Önsel Atala; N. Baturayo lu Yöney -- New York City Local Law 11/98: consequences of administrative regulations on the conservation of buildings. M. Faliva -- Promoting a Nineteenthcentury Italian Technology:the Crystal Skies of the Milanese Gallery "Vittorio Emanuele II". I. Stoyanova -- Part 2 ICT and new technologies -- The Piacenza Cathedral, from the digital survey to a complete multimedia documentation. G. Verdiani, A. Peruzzi, M. Gualandi -- Testing and monitoring for the control of strengthening interventions of Santa Maria Gloriosa dei Frari in Venice. A. Lionello; C. Rossi; P. P. Rossi -- Structural monitoring of historical structures: increasing knowledge to minimize interventions. E. Coisson, F. Ottoni -- Monitoring of cracks in historic concrete structures using optical, thermal and acoustical methods. C. Maierhofer, R. Krankenhagen, P. Myrach, J. Meinhardt, U. Kalisch, C. Hennen, R. Mecke, T. Seidl, M. Schiller -- Documentation and analysis of 3D mappings for monument diagnosis. S. Janvier-Badosa, C. Stefani, X. Brunetaud, K. Beck, L. De Luca, M. Al-Mukhtar -- Monitoring noise and vibration in Santa Clara-a-Velha Monastery. T. Dias Pereira; D. Mateus -- Spherical photogrammetry for cultural heritage metric documentation: a critical review after six. G. Fangi -- A multidisciplinary approach for the assessment of great historical structures: ties of "Duomo di Milano". M. Vasic; D. Coronelli; C. Poggi -- Safety and preservation of Saint Agata Church in Tussillo (L'Aquila, Italy). C. F. Carocci, A. Scudero -- Integrated measurement techniques for the monitoring of the ancient walls of Ferrara. Furini, M. Paternò, A. Pellegriinelli, P. Russo -- Constructive features and seismic vulnerability of historic centres through the rapid assessment of historic building stocks. The experience of Ferrara, Italy. M. Dolce, E. Speranza, R. Dalla Negra, M. Zuppiroli, F. Bocchi -- Onna project: a natural interaction installation and mobile solution for cultural heritage. G. D'Amico, A. Del Bimbo, A. Ferracani, L. Landucci, D. Pezzatini -- Documenting lost heritage. The experience of the survey of architectures damaged by the earthquake in the Emilia area, Italy. A. M. Manferdini -- Massive 3D digitization of museum contents. G. Guidi, S. Gonizzi Barsanti, L. L. Micoli, M. Russo -- Digital Storytelling for Cultural Heritage: a Modular, Multi-channel, Multi-scenario Approach. M. Negrini, N. Di Blas -- Part

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Sommario/riassunto

This book provides a comprehensive, up-to-date overview on the most pressing issues in the conservation and management of archaeological, architectural, and urban landscapes. Multidisciplinary research is presented on a wide range of built heritage sites, from archaeological ruins and historic centers through to twentieth century and industrial architectural heritage. The role of ICT and new technologies, including those used for digital archiving, surveying, modeling, and monitoring, is extensively discussed, in recognition of their importance for professionals working in the field. Detailed attention is also paid to materials and treatments employed in preventive conservation and management. With contributions from leading experts, including university researchers, professionals, and policy makers, the book will be invaluable for all who seek to understand, and solve, the challenges faced in the protection and enhancement of the built heritage.
