

1. Record Nr.	UNINA9910814139403321
Autore	Heno Raphael
Titolo	3D modeling of buildings : outstanding sites // Raphael Heno, Laure Chandelier
Pubbl/distr/stampa	London, England ; ; Hoboken, New Jersey : , : iSTE : , : Wiley, , 2014 ©2014
ISBN	1-118-64889-7 1-118-64888-9
Edizione	[1st edition]
Descrizione fisica	1 online resource (148 pages) : illustrations, tables
Collana	GIS and Territorial Intelligence
Disciplina	006.6
Soggetti	Three-dimensional modeling Three-dimensional imaging in architecture Architectural surveys
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	1. Specific Requirements for the 3D Digitization of Outstanding Sites -- 2. 3D Digitization Using Images -- 3. 3D Digitization by Laser Scanner -- 4. Complementarity of Techniques -- 5. Point Cloud Processing -- 6. Management and Use of Surveys
Sommario/riassunto	Conventional topographic databases, obtained by capture on aerial or spatial images provide a simplified 3D modeling of our urban environment, answering the needs of numerous applications (development, risk prevention, mobility management, etc.). However, when we have to represent and analyze more complex sites (monuments, civil engineering works, archeological sites, etc.), these models no longer suffice and other acquisition and processing means have to be implemented. This book focuses on the study of adapted lifting means for "notable buildings". The methods tackled in this book cover lasergrammetry and the current techniques of dense correlation based on images using conventional photogrammetry.