1.	Record Nr.	UNINA9910145261603321
	Autore	Cyganek Bogusaw
	Titolo	An introduction to 3D computer vision techniques and algorithms [[electronic resource] /] / Bogusaw Cyganek, J. Paul Siebert
	Pubbl/distr/stampa	Chichester, U.K., : John Wiley & Sons, 2009
	ISBN	1-119-96447-4
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		9786612034220
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	Edizione	[1st ed.]
	Descrizione fisica	1 online resource (514 p.)
	Altri autori (Persone)	SiebertJ. Paul
	Disciplina	006.3/7
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	Soggetti	Computer vision
		Three-dimensional imaging
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	Lingua di pubblicazione	Inglese
	Formato	Materiale a stampa
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	Note generali	Description based upon print version of record.
	Nota di bibliografia	Includes bibliographical references (p. [459]-474) and index.
	Nota di contenuto	AN INTRODUCTION TO 3D COMPUTER VISION TECHNIQUES AND ALGORITHMS; Contents; Preface; Acknowledgements; Notation and Abbreviations; Part I; 1 Introduction; 2 Brief History of Research on Vision; Part II; 3 2D and 3D Vision Formation; 4 Low-level Image Processing for Image Matching; 5 Scale-space Vision; 6 Image Matching Algorithms; 7 Space Reconstruction and Multiview Integration; 8 Case Examples; Part III; 9 Basics of the Projective Geometry; 10 Basics of Tensor Calculus for Image Processing; 11 Distortions and Noise in Images; 12 Image Warping Procedures 13 Programming Techniques for Image Processing and Computer Vision14 Image Processing Library; References; Index; Colorplate
	Sommario/riassunto	Computer vision encompasses the construction of integrated vision systems and the application of vision to problems of real-world importance. The process of creating 3D models is still rather difficult, requiring mechanical measurement of the camera positions or manual alignment of partial 3D views of a scene. However using algorithms, it

is possible to take a collection of stereo-pair images of a scene and then automatically produce a photo-realistic, geometrically accurate digital 3D model. This book provides a comprehensive introduction to the methods, theories and algorithms of 3D com

2.	Record Nr.	UNINA9910703236003321
	Titolo	Efforts to transfer America's leading edge science to China [[electronic resource]] : hearing before the Subcommittee on Oversight and Investigations of the Committee on Foreign Affairs, House of Representatives, One Hundred Twelfth Congress, first session, November 2, 2011
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	Descrizione fisica	1 online resource (iii, 100 pages) : illustrations
	Soggetti	Technology transfer - United States
		Technology transfer - China
		Astronautics - Technology transfer - United States
		Astronautics - Technology transfer - China
		Science - International cooperation
		Technology - International cooperation
		Human rights - China
		United States Foreign relations Law and legislation
		United States Foreign relations China
		China Foreign relations United States
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	Note generali	Title from title screen (viewed on Dec. 27, 2011).
		Paper version available for sale by the Supt. of Docs., U.S. G.P.O.
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