1.	Record Nr.	UNINA9910143622903321
	Titolo	Vision Algorithms: Theory and Practice : International Workshop on Vision Algorithms Corfu, Greece, September 21-22, 1999 Proceedings / / edited by Bill Triggs, Andrew Zisserman, Richard Szeliski
	Pubbl/distr/stampa	Berlin, Heidelberg : , : Springer Berlin Heidelberg : , : Imprint : Springer, , 2000
	ISBN	3-540-44480-7
	Edizione	[1st ed. 2000.]
	Descrizione fisica	1 online resource (X, 390 p.)
	Collana	Lecture Notes in Computer Science, , 0302-9743 ; ; 1883
	Disciplina	006.37
	Soggetti	Application software Optical data processing Pattern recognition Computer graphics Algorithms Computer Applications Image Processing and Computer Vision Pattern Recognition Computer Graphics Algorithm Analysis and Problem Complexity
	Lingua di pubblicazione	Inglese
	Formato	Materiale a stampa
	Livello bibliografico	Monografia
	Note generali	Bibliographic Level Mode of Issuance: Monograph
	Nota di bibliografia	Includes bibliographical references at the end of each chapters and index.
	Nota di contenuto	Correspondence and Tracking -- An Experimental Comparison of Stereo Algorithms -- A General Method for Feature Matching and Model Extraction -- Characterizing the Performance of Multiple-Image Point-Correspondence Algorithms Using Self-Consistency -- A Sampling Algorithm for Tracking Multiple Objects -- Real-Time Tracking of Complex Structures for Visual Servoing -- Geometry and Reconstruction -- Direct Recovery of Planar-Parallax from Multiple Frames -- Generalized Voxel Coloring -- Projective Reconstruction from N Views Having One View in Common -- Point- and Line-Based Parameterized Image Varieties for Image-Based Rendering -- Recovery of Circular Motion from Profiles of Surfaces -- Optimal Reconstruction

-- Optimization Criteria, Sensitivity and Robustness of Motion and Structure Estimation -- Gauge Independence in Optimization Algorithms for 3D Vision -- Uncertainty Modeling for Optimal Structure from Motion -- Error Characterization of the Factorization Approach to Shape and Motion Recovery -- Bootstrapping Errors-in-Variables Models -- Invited Talks -- Annotation of Video by Alignment to Reference Imagery -- Computer-Vision for the Post-production World: Facts and Challenges through the REALViZ Experience -- Special Sessions -- About Direct Methods -- Feature Based Methods for Structure and Motion Estimation -- Discussion for Direct versus Features Session -- Bundle Adjustment — A Modern Synthesis -- Discussion for Session on Bundle Adjustment -- Summary of the Panel Session.

| Sommario/riassunto | This book constitutes the thoroughly refereed post-workshop proceedings of the International Workshop on Vision Algorithms held in Corfu, Greece in September 1999 in conjunction with ICCV'99. The 15 revised full papers presented were carefully reviewed and selected from 65 submissions; each paper is complemented by a brief transcription of the discussion that followed its presentation. Also included are two invited contributions and two expert reviews as well as a panel discussion. The volume spans the whole range of algorithms for geometric vision. The authors and volume editors succeeded in providing added value beyond a mere collection of papers and made the volume a state-of-the-art survey of their field. |