Record Nr. UNINA9910971650003321 Autore Parker J. R Titolo Algorithms for image processing and computer vision / / J.R. Parker Indianapolis, Ind.,: Wiley Publishing, Inc., 2011 Pubbl/distr/stampa **ISBN** 9786612944222 9781282944220 1282944223 9781118021880 1118021886 9781118019627 1118019628 Edizione [2nd ed.] Descrizione fisica 1 online resource (506 p.) Disciplina 006.37 621.36/7/028551 Soggetti Image processing - Digital techniques Computer vision Computer algorithms Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Note generali Description based upon print version of record. Nota di bibliografia Includes bibliographical references and index. Algorithms for Image Processing and Computer Vision; Contents: Nota di contenuto Preface: Chapter 1 Practical Aspects of a Vision System - Image Display. Input/Output, and Library Calls; Chapter 2 Edge-Detection Techniques; Chapter 3 Digital Morphology; Chapter 4 Grey-Level Segmentation; Chapter 5 Texture and Color; Chapter 6 Thinning; Chapter 7 Image Restoration; Chapter 8 Classification; Chapter 9 Symbol Recognition; Chapter 10 Content-Based Search - Finding Images by Example; Chapter 11 High-Performance Computing for Vision and Image Processing; Index A cookbook of algorithms for common image processing applications Sommario/riassunto Thanks to advances in computer hardware and software, algorithms have been developed that support sophisticated image processing without requiring an extensive background in mathematics. This

bestselling book has been fully updated with the newest of these,

including 2D vision methods in content-based searches and the use of graphics cards as image processing computational aids. It's an ideal reference for software engineers and developers, advanced programmers, graphics programmers, scientists, and other specialists wh