

1. Record Nr.	UNINA9910254824403321
Autore	Toennies Klaus D
Titolo	Guide to Medical Image Analysis : Methods and Algorithms // by Klaus D. Toennies
Pubbl/distr/stampa	London : , : Springer London : , : Imprint : Springer, , 2017
ISBN	1-4471-7320-1
Edizione	[2nd ed. 2017.]
Descrizione fisica	1 online resource (XXIV, 589 p. 384 illus., 197 illus. in color.)
Collana	Advances in Computer Vision and Pattern Recognition, , 2191-6586
Disciplina	616.0754
Soggetti	Optical data processing Radiology Image Processing and Computer Vision Imaging / Radiology
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	The Analysis of Medical Images -- Digital Image Acquisition -- Image Storage and Transfer -- Image Enhancement -- Feature Detection -- Segmentation: Principles and Basic Techniques -- Segmentation in Feature Space -- Segmentation as a Graph Problem -- Active Contours and Active Surfaces -- Registration and Normalization -- Shape, Appearance and Spatial Relationships -- Classification and Clustering -- Validation -- Appendix.
Sommario/riassunto	This comprehensive guide provides a uniquely practical, application-focused introduction to medical image analysis. The text presents a concise examination of each of the key concepts, enabling the reader to understand the interdependencies between them before delving deeper into the derivations and technical details. This fully updated new edition has been enhanced with material on the latest developments in the field, whilst retaining the original focus on segmentation, classification and registration. Topics and features: Presents learning objectives, exercises and concluding remarks in each chapter, in addition to a glossary of abbreviations Describes a range of common imaging techniques, reconstruction techniques and image artifacts, and discusses the archival and transfer of images Reviews an expanded selection of techniques for image enhancement, feature

detection, feature generation, segmentation, registration, and validation (NEW) Examines analysis methods in view of image-based guidance in the operating room, designed to aid the operator in adapting their intervention during an operation (NEW) Discusses the use of deep convolutional networks for segmentation and labeling tasks, describing how this network architecture differs from multi-layer perceptrons (NEW) Includes appendices on Markov random field optimization, variational calculus and principal component analysis This clearly-written guide/reference serves as a classroom-tested textbook for courses on medical image processing and analysis, with suggestions for course outlines supplied in the preface. Professionals in medical imaging technology, as well as computer scientists and electrical engineers specializing in medical applications, will also find the book an ideal resource for self-study.

2. Record Nr.	UNISALENTO991004362934707536
Autore	Belgioioso, Giulia
Titolo	L'année Descartes 1996 un bilan historiographique / Giulia Belgioioso
Pubbl/distr/stampa	Napoli : Prismi, [1998?]
Descrizione fisica	30 p. ; 24 cm
Disciplina	194
Soggetti	Descartes, René Descartes, René
Lingua di pubblicazione	Francese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Estratto da: Nouvelles de la Republique des lettres, Napoli : Prismi, 1998, n. 2. Data desunta dall'anno di pubblicazione dell'opera da cui è estratto