1. Record Nr. UNISA990000719070203316

Autore	LAMBERTI, Jean-Claude
Titolo	Tocqueville et les deux démocraties / Jean-Claude Lamberti ; préface de François Bourricaud
Pubbl/distr/stampa	Paris : Presses Universitaires de France, 1983
ISBN	2-13-037898-6
Descrizione fisica	VII, 325 p. ; 22 cm
Collana	Sociologies
Disciplina	321.80924
Soggetti	Tocqueville, Alexis : de
Collocazione	321.809 LAM 1 (IG XIX 144) CC 321.8 LAM
Lingua di pubblicazione	Francese
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Livello bibliografico	Monografia

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Titolo	Handbook of medical image processing and analysis [[electronic resource] /] / edited by Issac N. Bankman
Pubbl/distr/stampa	Amsterdam, : Elsevier/Academic Press, c2009
ISBN	1-281-92852-6 9786611928520 9786612167263 0-08-055914-X
Edizione	[2nd ed.]
Descrizione fisica	1 online resource (1009 p.)
Collana	Academic Press series in biomedical engineering
Altri autori (Persone)	BankmanI. N (Isaac N.)
Disciplina	616.07 616.07/54 616.0754
Soggetti	Diagnostic imaging - Digital techniques Imaging systems in medicine
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.
Nota di contenuto	Front Cover; Handbook of Medical Image Processing and Analysis; Copyright Page; Contents; Foreword; Contributors; Preface; Acknowledgments; Part I Enhancement; Chapter 1 Fundamental Enhancement Techniques; 1.1 Introduction; 1.2 Preliminaries and Definitions; 1.3 Pixel Operations; 1.4 Local Operators; 1.5 Operations with Multiple Images; 1.6 Frequency Domain Techniques; 1.7 Concluding Remarks; 1.8 References; Chapter 2 Adaptive Image Filtering; 2.1 Introduction; 2.2 Multidimensional Spatial Frequencies and Filtering; 2.3 Random Fields and Wiener Filtering; 2.4 Adaptive Wiener Filters 2.5 Anisotropic Adaptive Filtering2.6 References; Chapter 3 Enhancement by Multiscale Nonlinear Operators; 3.1 Introduction; 3.2 One-Dimensional Discrete Dyadic Wavelet Transform; 3.3 Linear Enhancement and Unsharp Masking; 3.4 Nonlinear Enhancement by Functional Mapping; 3.5 A Method for Combined Denoising and Enhancement; 3.6 Two-Dimensional Extension; 3.7 Experimental Results and Comparison; 3.8 Conclusion; 3.9 References; Chapter 4

Medical Image Enhancement Using Fourier Descriptors and Hybrid Filters; 4.1 Introduction; 4.2 Design of the Hybrid Filter; 4.3 Experimental Results
4.4 Discussion and Conclusion4.5 References; Part II Segmentation; Chapter 5 Overview and Fundamentals of Medical Image Segmentation; 5.1 Introduction; 5.2 Thresholding; 5.3 Region Growing; 5.4 Watershed Algorithm; 5.5 Edge-Based Segmentation Techniques; 5.6 Multispectral Techniques; 5.7 Other Techniques; 5.8 Concluding Remarks; 5.9 References; Chapter 6 Image Segmentation by Fuzzy Clustering: Methods and Issues; 6.1 Introduction; 6.2 The Quantitative Basis of Fuzzy Image Segmentation; 6.3 Qualitative Discussion of a Few Fuzzy Image Segmentation Methods; 6.4 Conclusions and Discussion
6.5 ReferencesChapter 7 Segmentation with Neural Networks; 7.1 Introduction; 7.2 Structure and Function of the GRBF Network; 7.3 Training Procedure; 7.4 Application to Medical Image Segmentation; 7.5 Image Data; 7.6 Preprocessing; 7.7 Vector Quantization; 7.8 Classification; 7.9 Results; 7.10 Discussion; 7.11 Topical Applications, Conceptual Extensions, and Outlook; 7.12 Conclusion and Outlook; 7.13 References; Chapter 8 Deformable Models; 8.1 Introduction; 8.2 Mathematical Foundations of Deformable Models; 8.3 Medical Image Analysis with Deformable Models; 8.4 Discussion; 8.5 Conclusion
8.6 ReferencesChapter 9 Shape Information in Deformable Models; 9.1 Background; 9.2 Global Shape Constraints; 9.3 Level Set Methods Incorporating Generic Constraints; 9.4 Conclusions; 9.5 References; Chapter 10 Gradient Vector Flow Deformable Models; 10.1 Introduction; 10.2 Background; 10.3 GVF Deformable Contours; 10.4 Experiments; 10.5 3D GVF Deformable Models and Results; 10.6 Discussion; 10.7 Conclusions; 10.8 References; Chapter 11 Fully Automated Hybrid Segmentation of the Brain; 11.1 Introduction; 11.2 Brain Segmentation Method; 11.3 Other Brain Segmentation Techniques; 11.4 Summary
11.5 References

Sommario/riassunto

The Handbook of Medical Image Processing and Analysis is a comprehensive compilation of concepts and techniques used for processing and analyzing medical images after they have been generated or digitized. The Handbook is organized into six sections that relate to the main functions: enhancement, segmentation, quantification, registration, visualization, and compression, storage and communication.The second edition is extensively revised and updated throughout, reflecting new technology and research, and includes new chapters on: higher order statistics for tissue segmentation; tumor g

3. Record Nr. UNINA9911124474403321

Autore	Javaherdashti Reza
Titolo	Microbial Corrosion and Deterioration of Engineering Materials : Analysis and Mitigation Techniques for Engineers
Pubbl/distr/stampa	Chantilly : , : Elsevier, , 2026 ©2026
ISBN	0-443-34124-9 9780443341243
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Descrizione fisica	1 online resource (0 pages)
Disciplina	620.11223
Soggetti	Microbiologically influenced corrosion
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Front Cover -- Microbial Corrosion and Deterioration of Engineering Materials: Analysis and Mitigation Techniques for Engineers -- Copyright Page -- Dedication -- Contents -- About the author -- Preface -- General description -- 1 Corrosion, microbiologically influenced corrosion, and microbiologically influenced deterioration -- 1.1 Introduction -- 1.2 Necessity for writing this book-introduction -- 1.3 Myths and misunderstandings -- 1.4 A brief on microbiologically influenced corrosion publication -- 1.5 Why is microbiologically influenced corrosion so complicated? -- 1.5.1 Motility -- 1.5.2 The existing gap between academia and industry -- 1.6 Approaches toward microbiologically influenced corrosion/microbiologically influenced deterioration cases -- 1.6.1 Materials-based papers -- 1.6.2 Industry-based papers -- 1.7 How is this book looking at microbiologically influenced corrosion/microbiologically influenced deterioration issues? Chapters arrangement -- References -- Further reading -- 2 Environmental aspect of corrosion: not yet looked at in detail side of corrosion management -- 2.1 Introduction -- 2.2 Developing a terminology system to make junction between ecologists and corrosionists -- 2.3 Four features of corrosion and environment interaction -- 2.3.1 Leakage, environment and pollution -- 2.3.2 Pollution-induced corrosion -- 2.4 Modelling environment effects including corrosion -- 2.4.1 Future studies and corrosion -- 2.5

	7.4.2.3 Avoiding microbiologically influenced corrosion/microbiologically influenced deterioration in desalination plants.
Sommario/riassunto	Microbial Corrosion and Deterioration of Engineering Materials: Analysis and Mitigation Techniques for Engineers aims to fill the gap between research and engineering practice when it comes to microbially influenced corrosion (MIC) and deterioration (MID).