

1. Record Nr.	UNINA9910953614203321
Titolo	Interactive Multimodal Information Management
Pubbl/distr/stampa	Boca Raton, : CRC Press LLC, Sept. 2013 Florence, : Taylor & Francis Group [distributor]
ISBN	0-429-16134-4 1-4822-1212-9
Edizione	[1st ed.]
Descrizione fisica	1 online resource (367 pages) : illustrations, photographs
Disciplina	001.64
Soggetti	Interactive computer systems Communication - Data processing Multimodal user interfaces (Computer systems) Signal processing
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.
Nota di contenuto	Front Cover -- Contents -- List of contributors -- Chapter 1: Interactive Multimodal Information Management: Shaping the Vision -- Part I: Human-Computer Interaction and Human Factors -- Chapter 2: Human Factors in Multimodal Information Management -- Chapter 3: User Attention During Mobile Video Consumption -- Chapter 4: Wizard of Oz Evaluations of the Archivus Meeting Browser -- Chapter 5: Document-Centric and Multimodal Meeting Assistants -- Chapter 6: Semantic Meeting Browsers and Assistants -- Chapter 7: Multimedia Information Retrieval -- Part II: Visual and Multimodal Analysis of Human Appearance and Behavior -- Chapter 8: Face Recognition for Biometrics -- Chapter 9: Facial Expression Analysis for Emotion Recognition and Perception Modeling -- Chapter 10: Software for Automatic Gaze and Face/Object Tracking and its Use for Early Diagnosis of Autism Spectrum Disorders -- Chapter 11: Learning to Learn New Models of Human Activities in Indoor Settings -- Chapter 12: Nonverbal Behavior Analysis -- Chapter 13: Quality and Reliability in Multimodal and Multi-classifier Biometric Person Recognition -- Chapter 14: Medical Image Annotation -- Part III: Speech, Language, and Document Processing -- Chapter 15: Speech Processing --

Chapter 16: Research Trends in Speaker Diarization -- Chapter 17: Speaker Diarization of Large Corpora -- Chapter 18: Language Processing in Dialogues -- Chapter 19: From Isolated Words to Unconstrained Documents: Bringing Offline Handwriting Recognition to the Meeting Room -- Chapter 20: Online Handwriting Analysis and Recognition -- Chapter 21: Analysis of Printed Documents -- Part IV: Assessments -- Chapter 22: It was Worth it! Assessment of the Impact of IM2 -- Chapter 23: Technology Transfer: Turning Science into Products -- Chapter 24: Conclusion and Perspectives.

Sommario/riassunto

This book provides a synthesis of the multifaceted field of interactive multimodal information management. The subjects treated include spoken language processing, image and video processing, document and handwriting analysis, identity information and interfaces. The book concludes with an overview of the highlights of the progress of the field during the past ten years, as well as the problems that are now under investigation and that offer the most promising results for the future. The book is addressed to the graduate student/postdoc level, but much of the book will be accessible to all those with a general background in information processing.
