

1. Record Nr.	UNINA9910807978403321
Titolo	Multimedia databases and image communication : proceedings of the workshop on MDIC, 2004 : Salerno, Italy 22 June 2004 // editors, Andrea F. Abate, Michele Nappi, Monica Sebillo
Pubbl/distr/stampa	Singapore ; ; London, : World Scientific, c2004
ISBN	1-281-89822-8 9786611898229 981-270-213-X
Edizione	[1st ed.]
Descrizione fisica	1 online resource (135 p.)
Collana	Series on software engineering and knowledge engineering ; ; v. 17
Altri autori (Persone)	AbateAndrea F NappiMichele SebilloMonica
Disciplina	006.7
Soggetti	Multimedia systems Database management Image processing - Digital techniques Image processing - Databases
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Errata slip inserted: "Vol. 15 is printed erroneously on book cover instead of vol. 17."
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	Preface; CONTENTS; A Context-Aware Framework for Multimodal Document Databases; 1. Introduction; 2. Multimodal documents modelling; 3. Context-awareness in document modelling; 4. Multimodal documents instantiation; 5. Conclusion; References; Endowing Geographic Information Systems with a Cognitive Level; 1. Enhancing GIS: from Visual Languages to Conceptuat Spaces.; Acknowtedgments; References; A Simple Fuzzy Extension to the Search of Documents on the Web; 1. Introduction; 2. Attribute Strings and User profiles representation; 3. Selection and ordering of most relevant results; 4. Case study 5. Concluding remarksReferences; Developing a System for the Retrieval of Melodies from Web Repositories; 1. Introduction; 2. The Underlying Technique; 3. Discussion; 4. Conclusions and Future Work; References; Fast Face Recognition Using Fractal Range/Domain

Classification; 1. Introduction; 2. The Method; 3. Memory and Time complexity Analysis; 4. Experimental results; 5. Conclusions; References; A Method for 3D Face Recognition Based on Mesh Normals; 1. Introduction; 2. Related works; 3. The proposed method; 4. Experiments and Discussion; 5. Conclusions; References High-D Data Visualization Methods via Probabilistic Principal Surfaces for Data Mining Applications 1. Introduction; 2. Theoretical background; 3. Spherical PPS Visualizations; 4. Experiments; 5. Conclusions; References; A Study on Recovering the Cloud-Top Height from Infra-Red Video Sequences; 1. Introduction; 2. Geometry of the satellite viewing system; 3. Description of the method; 4. Experimental assessment; 5. Conclusions; Acknowledgments; References; Powerful Tools for Data Mining: Fractals Power Laws SVD and More; 1. Power laws and fractals; 2. Singular Value Decomposition 3. Conclusions References; An Unsupervised Shot Classification System for News Video Story Detection; 1. Introduction; 2. System Architecture; 3. The News Video Database; 4. Experimental Results; 5. Conclusions; References; 3D-TV - The Future of Visual Entertainment; 1. Introduction; 2. 3D - TV Content Creation; 3. Compression; 4. Interactive Display; 5. Outlook; References; Entropy as a Feature in the Analysis and Classification of Signals; 1. Introduction; 2. The Method; 3. Results; 4. Discussion; 5. Conclusions; References

Sommario/riassunto

There is a strong need for advances in the fields of image indexing and retrieval and visual query languages for multimedia databases. Image technology is facing both classical and novel problems for the organization and filtering of increasingly large amounts of pictorial data. Novel kinds of problems, such as indexing and high-level content-base, accessing to image databases, human interaction with multimedia systems, approaches to multimedial data, biometrics, data mining, computer graphics and augmented reality, have grown into real-life issues. The papers in this proceedings volume relate
