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Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Knowledge Based Content Processing -- Improving the Accuracy of Global Feature Fusion Based Image Categorisation -- Stopping Region-Based Image Segmentation at Meaningful Partitions -- Semantic Multimedia Annotation I -- Hierarchical Long-Term Learning for Automatic Image Annotation -- LSA-Based Automatic Acquisition of Semantic Image Descriptions -- Domain-Restricted Generation of Semantic Metadata from Multimodal Sources -- Ontology-Driven Semantic Video Analysis Using Visual Information Objects -- On the Selection of MPEG-7 Visual Descriptors and Their Level of Detail for Nature Disaster Video Sequences Classification -- A Region Thesaurus Approach for High-Level Concept Detection in the Natural Disaster Domain -- Annotation of Heterogeneous Multimedia Content Using Automatic Speech Recognition -- A Model-Based Iterative Method for

Caption Extraction in Compressed MPEG Video -- Automatic Recommendations for Machine-Assisted Multimedia Annotation: A Knowledge-Mining Approach -- Video Summarisation for Surveillance and News Domain -- Classification and Annotation of Multidimensional Content -- Thesaurus-Based Ontology on Image Analysis -- A Wavelet-Based Algorithm for Multimodal Medical Image Fusion -- Context-Sensitive Pan-Sharpening of Multispectral Images -- Semantic Annotation of 3D Surface Meshes Based on Feature Characterization -- 3D Classification Via Structural Prototypes -- Content Adaptation -- Post-processing Techniques for On-Line Adaptive Video Summarization Based on Relevance Curves -- A Constraint-Based Graph Visualisation Architecture for Mobile Semantic Web Interfaces -- Personalization of Content in Virtual Exhibitions -- MX: The IEEE Standard for Interactive Music -- The Concept of Interactive Music: The New Standard IEEE P1599 / MX -- Outline of the MX Standard -- Automatic Synchronisation Between Audio and Score Musical Description Layers -- Interacting at the Symbolic and Structural Levels -- Interacting with Csound Timbral Textures -- Semantic Multimedia Annotation II -- A Semantic Web Environment for Digital Shapes Understanding -- Modeling Linguistic Facets of Multimedia Content for Semantic Annotation -- Short Papers -- Leveraging Ontologies, Context and Social Networks to Automate Photo Annotation -- Use Cases of Scalable Video Based Summarization and Adaptation Within MPEG-21 DIA -- Ontology for Semantic Integration in a Cognitive Surveillance System -- Conditional Random Fields for High-Level Part Correlation Analysis in Images -- Document Layout Substructure Discovery -- Recognition of JPEG Compressed Face Images Based on AdaBoost -- Camera Motion Analysis Towards Semantic-Based Video Retrieval in Compressed Domain -- Challenges in Supporting Faceted Semantic Browsing of Multimedia Collections -- A Study of Vocabularies for Image Annotation -- Towards a Cross-Media Analysis of Spatially Co-located Image and Text Regions in TV-News -- K-Space Awarded PhD Papers -- Towards Person Google: Multimodal Person Search and Retrieval -- Event Detection in Pedestrian Detection and Tracking Applications -- SAMMI.
