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Collana	Image Processing, Computer Vision, Pattern Recognition, and Graphics ; ; 5188
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Soggetti	Computer science Information theory
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Includes index.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Keynote Papers -- A Visual Analytics Approach to Exploration of Large Amounts of Movement Data -- Locational Awareness on the Internet -- Virtual Spaces: From the Past to the Future -- Information and Data Visualization -- Better Perception of 3D-Spatial Relations by Viewport Variations -- Effective Visual Scanning of Geographic Information -- Navigation and Search in 3D Visualizations of Large Unstructured Photo Collections: An Empirical Study -- Evaluation of Information Visualization Tools Using the NFR Approach -- Interactive Exploration of Large Dynamic Networks -- Flood Emergency Interaction and Visualization System -- 3D Mesh Exploration for Smart Visual Interfaces -- Dynamic Buffer Areas Obtained by EFCM Method in GIS Environment -- Automatic G1 Surface Reconstruction from Serial Cross-Sectional Images -- Operational Risk Visualization -- Advanced Techniques for Visual Information Management -- Classification-Based Color Constancy -- An Optimized Fuzzy Based Short Term Object Motion Prediction for Real-Life Robot Navigation Environment -- Experiments on Selection of Codebooks for Local Image Feature Histograms -- Extending KDDML with a Visual Metaphor for the KDD Process -- Inter-frame and Inter-layer Motion Prediction during Fast

Block Motion Estimation in MCTF -- Mobile Visual Information Systems -- L.U.N.A. Ads – Sustaining Wireless Access for Mobile Users -- MoViSys – A Visualization System for Geo-Referenced Information on Mobile Devices -- A New Approach Toward a Modular Multimodal Interface for PDAs and Smartphones -- Image and Video Indexing and Retrieval -- Learning Rules for Semantic Video Event Annotation -- Two Step Relevance Feedback for Semantic Disambiguation in Image Retrieval -- An Architectural Paradigm for Collaborative Semantic Indexing of Multimedia Data Objects -- Evaluation of Quality Retaining Diagnostic Credibility for Surgery Video Recordings -- Techniques for Image Classification, Object Detection and Object Segmentation -- Applications of Visual Information Systems -- A Visual Framework for the Definition and Execution of Reverse Engineering Processes -- An Evolutionary General Purpose WebGIS to Disclose EGFR Mutations in Lung Cancer -- Embedding Google Maps APIs into WebRatio for the Automatic Generation of Web GIS Applications -- DINDOW: Towards an Interaction Based on Spatio-temporal Memory -- Perception Model for People with Visual Impairments -- An Analysis of Improvements for Voter Interfaces in Polling Station and Remote Electronic Voting Systems -- Reasoning about Hand-Drawn Sketches: An Approach Based on Intelligent Software Agents -- Handling of Task Hierarchies on the Nepomuk Social Semantic Desktop -- Musimage: A System for Automatically Presenting Pictures Depending on the Music Being Played -- Industrial Experiences -- An Architecture for Multimedia Content Publishing with GIS-Based Retrieval Facility -- SISI Project: Developing GIS-Based Tools for Vulnerability Assessment -- GISTURISMO Massa-Carrara – Advanced Territory’s Dynamic Fruition Service for a Conscious Tourism.

Sommario/riassunto

This book constitutes the thoroughly refereed proceedings of the 10th International Conference on Visual Information Systems, VISUAL 2008, held in Salerno, Italy, September 11-12, 2008. The 35 papers presented in this volume, together with 3 keynote speeches, were carefully reviewed and selected from 58 submissions. The topics covered are information and data visualization; advances techniques for visual information management; mobile visual information systems; image and video indexing and retrieval; applications of visual information systems; and industrial experiences.
