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Disciplina	025.04
Soggetti	Information storage and retrieval Database management Application software Multimedia information systems User interfaces (Computer systems) Natural language processing (Computer science) Information Storage and Retrieval Database Management Information Systems Applications (incl. Internet) Multimedia Information Systems User Interfaces and Human Computer Interaction Natural Language Processing (NLP)
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Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Visual Interfaces to Digital Libraries: Motivation, Utilization, and Socio-technical Challenges -- Visual Interfaces to Digital Libraries: Motivation, Utilization, and Socio-technical Challenges -- Visual Interfaces to Documents, Document Parts, Document Variants, and Document Usage Data -- Spatial Hypertext as a Reader Tool in Digital Libraries -- Accessing Libraries as Easy as a Game -- Interactive Timeline Viewer (ItLv): A Tool to Visualize Variants among Documents -- An Empirical Evaluation of the Interactive Visualization of Metadata to Support Document Use -- Visual Analysis of Website Browsing Patterns -- Visual Interfaces to Image and Video Documents --

Extreme Temporal Photo Browsing -- Accessing News Video Libraries through Dynamic Information Extraction, Summarization, and Visualization -- Handwritten Notes as a Visual Interface to Index, Edit and Publish Audio/Video Highlights -- Visualization of Knowledge Domains -- Term Co-occurrence Analysis as an Interface for Digital Libraries -- Information Visualization, Human-Computer Interaction, and Cognitive Psychology: Domain Visualizations -- Cartographic Interfaces to Digital Libraries -- On Geometry and Transformation in Map-Like Information Visualization -- GeoVIBE: A Visual Interface for Geographic Digital Libraries -- Interactive Information Visualization in the Digital Flora of Texas -- Visual Explorations for the Alexandria Digital Earth Prototype -- Towards a General Framework -- A Lightweight Protocol between Digital Libraries and Visualization Systems -- Top Ten Problems in Visual Interfaces to Digital Libraries.

Sommario/riassunto

Visual Interfaces to Digital Libraries exploit the power of human vision and spatial cognition to help individuals mentally organize and electronically access and manage large and complex information spaces. They draw on progress in the field of information visualization and seek to shift the users' mental load from slow reading to faster perceptual processes such as visual pattern recognition. Based on two workshops, the book presents an introductory overview as well as a closing listing of the top ten problems in the area by the volume editors. Also included are 16 thoroughly reviewed and revised full papers organized in topical sections on visual interfaces to documents, document parts, document variants, and document usage data; visual interfaces to image and video documents; visualization of knowledge domains; cartographic interfaces to digital libraries; and a general framework.
