1.	Record Nr.	UNISA996465817303316
	Titolo	Knowledge and Information Visualization [[electronic resource]] : Searching for Synergies / / edited by Sigmar-Olaf Tergan, Tanja Keller
	Pubbl/distr/stampa	Berlin, Heidelberg : , : Springer Berlin Heidelberg : , : Imprint : Springer, , 2005
	Edizione	[1st ed. 2005.]
	Descrizione fisica	1 online resource (VIII, 385 p.)
	Collana	Information Systems and Applications, incl. Internet/Web, and HCI ; ; 3426
	Disciplina	006.3/31
	Soggetti	User interfaces (Computer systems)
		Database management
		Information storage and retrieval
		Application software
		Artificial intelligence
		Natural language processing (Computer science)
		User Interfaces and Human Computer Interaction
		Database Management
		Information Storage and Retrieval
		Information Systems Applications (incl. Internet)
		Artificial Intelligence
		Natural Language Processing (NLP)
	Lingua di pubblicazione	Inglese
	Formato	Materiale a stampa
	Livello bibliografico	Monografia
	Note generali	Papers presented at a "workshop titled Visual Artefacts for the Organization of Information and Knowledge ... May 2004 at the Knowledge Media Research Center in Tuebingen (Germany)"--Ed. note.
	Nota di bibliografia	Includes bibliographical references and index.
	Nota di contenuto	Visualizing Knowledge and Information: An Introduction -- Visualizing Knowledge and Information: An Introduction -- Background -- Visual Queries: The Foundation of Visual Thinking -- Representational Correspondence as a Basic Principle of Diagram Design -- Knowledge Visualization -- Node-Link Mapping Principles for Visualizing Knowledge and Information -- Tools for Representing Problems and the Knowledge Required to Solve Them -- Collaborative Knowledge Visualization for Cross-Community Learning -- Information

Visualization -- Modeling Interactive, 3-Dimensional Information Visualizations Supporting Information Seeking Behaviors -- Visualizing Information in Virtual Space: Prospects and Pitfalls -- The Impact of Dimensionality and Color Coding of Information Visualizations on Knowledge Acquisition -- Synergies Visualizing Knowledge and Information for Fostering Learning and Instruction -- Digital Concept Maps for Managing Knowledge and Information -- Concept Maps: Integrating Knowledge and Information Visualization -- Comprehensive Mapping of Knowledge and Information Resources: The Case of Webster -- Towards a Framework and a Model for Knowledge Visualization: Synergies Between Information and Knowledge Visualization -- ParIS – Visualizing Ideas and Information in a Resource-Based Learning Scenario -- Knowledge-Oriented Organization of Information for Fostering Information Use -- LEO: A Concept Map Based Course Visualization Tool for Instructors and Students -- Navigating Personal Information Repositories with Weblog Authoring and Concept Mapping -- Facilitating Web Search with Visualization and Data Mining Techniques -- The Role of Content Representations in Hypermedia Learning: Effects of Task and Learner Variables -- Supporting Self-regulated E-Learning with Visual Topic-Map-Navigation -- Information and Knowledge Visualization in Development and Use of a Management Information System (MIS) for DaimlerChrysler.

| Sommario/riassunto | formation. The basic ideas underlying knowledge visualization and information vi- alization are outlined. In a short preview of the contributions of this volume, the idea behind each approach and its contribution to the goals of the book are outlined. 2 The Basic Concepts of the Book Three basic concepts are the focus of this book: "data", "information", and "kno- edge". There have been numerous attempts to define the terms "data", "information", and "knowledge", among them, the OTEC Homepage "Data, Information, Kno- edge, and Wisdom" (Bellinger, Castro, & Mills, see http://www.syste- thinking. org/dikw/dikw.htm): Data are raw. They are symbols or isolated and non-interpreted facts. Data rep- sent a fact or statement of event without any relation to other data. Data simply exists and has no significance beyond its existence (in and of itself). It can exist in any form, usable or not. It does not have meaning of itself. |