1. Record Nr. UNINA9910484036803321

Titolo	Search computing : challenges and directions / / Stefano Ceri, Marco Brambilla, (eds.)
Pubbl/distr/stampa	Berlin, : Springer, 2010
ISBN	1-280-38615-0 9786613564078 3-642-12310-4
Edizione	[1st ed. 2010.]
Descrizione fisica	1 online resource (X, 321 p. 81 illus.)
Collana	Lecture notes in computer science ; ; 5950
Altri autori (Persone)	CeriStefano <1955-> BrambillaMarco
Disciplina	005.7
Soggetti	Search engines Web search engines
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	"The book describes the outcome of the First SECO "Workshop on Search Computing : Challenges and Directions" held in Como during June 17-19, 2009."
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Visions -- 1: Search Computing -- 2: Next Generation Web Search -- 3: Search for Knowledge -- Technology Watch for Search Computing -- 4: The Search Engine Industry -- 5: From Mashup Technologies to Universal Integration: Search Computing the Imperative Way -- 6: Web Data Extraction for Service Creation -- 7: Dataspaces -- 8: Multimedia and Multimodal Information Retrieval -- Issues in Search Computing -- 9: Service Marts -- 10: Join Methods and Query Optimization -- 11: Rank-Join Algorithms for Search Computing -- 12: Panta Rhei: Flexible Execution Engine for Search Computing Queries -- 13: Liquid Queries and Liquid Results in Search Computing -- 14: Building Search Computing Applications -- 15: Search Computing and the Life Sciences -- Appendix A: Search Computing Dictionary.
Sommario/riassunto	Search computing, which has evolved from service computing, focuses on building the answers to complex search queries by interacting with a constellation of cooperating search services, using ranking and joining of results as the dominant factors for service composition. The field is multi-disciplinary in nature, and takes advantage of

contributions from other research areas such as knowledge representation, human-computer interfaces, psychology, sociology, economics and legal sciences. The book is divided into three parts. The first part includes some visionary contributions on the latest trends in search, which is becoming increasingly task-oriented and is starting to use ontological knowledge in order to manage complex queries. The second part explores background and related technologies, which can be considered as parallel fields of research, useful both for setting the theoretical premises for search computing and for providing a technological framework for building search computing systems and applications. The third part delves into the conceptual and technological problems and issues arising when dealing with search computing as a new search paradigm. It provides a unified view of the results of the Search Computing project as achieved exactly one year after its starting date.