

1. Record Nr.	UNINA9910813906903321
Autore	Tran Duc Thanh <1981->
Titolo	Process-oriented semantic web search // Tran Duc Thanh
Pubbl/distr/stampa	Heidelberg, Germany : , : IOS Press : , : AKA , , 2011 ©2011
ISBN	1-61499-344-0
Descrizione fisica	1 online resource (243 p.)
Collana	Studies on the Semantic Web, , 1868-1158 ; ; Volume 010
Disciplina	025.04/27
Soggetti	Semantic Web
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Title Page; Preface; Acknowledgements; Contents; List of Figures; List of Tables; List of Symbols; List of Abbreviations; Chapter 1. Introduction; Semantic Web; Semantic Web Search; Contribution of this Book; Focus of this Book; Organization of this Book; Chapter 2. Semantic Web Search; Introduction; Search; Data Retrieval; Document Retrieval; Data on the Semantic Web; Data and Metadata; Data and Document Models; Semantics and Semantic Data; Ontologies; Linked Data; Embedded Semantic Data; Queries on the Semantic Web; Keyword Queries; Conjunctive Queries; SPARQL Queries; Semantic Search Basic Semantic Search ModelProcess-Oriented Semantic Search Model; Semantic Web Search; Conclusions; Chapter 3. The State of the Art of Semantic Web Search; Introduction; Objectives and Challenges; Crawling Semantic Data; Managing and Querying Semantic Data; IR-based Approaches; DB-based Approaches; Native Approaches; Ranking Semantic Data; Query-independent Ranking; Query-dependent Ranking; Semantic Data Retrieval on the Web; Federated Query Processing; Data Integration; Conclusions; Chapter 4. Supporting the Semantic Web Search Process; Introduction; Data and Queries in SemSearchPro System Resource ModelSystem Query Model; Semantic Model; Process-oriented Schema-agnostic Search With SemSearch-Pro; The Search Process in SemSearchPro; Offline Pseudo-Schema Construction in SemSearch-Pro; Query Construction in SemSearchPro; Query Processing in SemSearchPro; Result Presentation in SemSearchPro; Query

Refinement in SemSearchPro; Process-oriented Schema-agnostic Search Systems; Close Environment: Single-Source Search in Semantic Wiki; Open Environment: Multi-Source Search on Linked Open Data; Beyond Search: Interacting with Linked Open Data  
Process-oriented Schema-agnostic Search User Study Evaluation Setting; Tasks; System and Data; Effectiveness; Efficiency; Usefulness; Conclusions; Chapter 5. Query Construction and Refinement; Introduction; Schema-agnostic Query Construction and Refinement Approaches; Keyword-driven Schema-agnostic Search; Keyword-driven Schema-agnostic Search Process; Keyword Search and Resource-based Browsing; Keyword Search and Facet-based Browsing & Search; Keyword Search and Result Completion; Keyword Search and Query Completion; Schema-agnostic Query Construction in SemSearchPro; Overview of the Approach  
Offline Data Indexing Offline Data Scoring; Online Query Translation; Comparison to Related Work; An Empirical Study of Query Construction and Refinement; Evaluation of Query Construction in SemSearchPro; Evaluation of Schema-agnostic Construction & Refinement Approaches; Conclusions; Chapter 6. Query Processing; Introduction; Schema-agnostic Query Processing Approaches; Schema-agnostic Query Processing Using Structure Index; Optimized Query Processing Using Structure Index; Schema-agnostic Query Processing in SemSearchPro; The Query Processing Problem  
The State of the Art in RDF Data Management

---

#### Sommario/riassunto

The book is composed of two main parts. The first part is a general study of Semantic Web Search. The second part specifically focuses on the use of semantics throughout the search process, compiling a big picture of Process-oriented Semantic Web Search from different pieces of work that target specific aspects of the process. In particular, this book provides a rigorous account of the concepts and technologies proposed for searching resources and semantic data on the Semantic Web. To collate the various approaches and to better understand what the notion of Semantic Web Search entails, this bo

---