

1. Record Nr.	UNINA9910483010803321
Titolo	Semantic Web and Databases : Second International Workshop, SWDB 2004, Toronto, Canada, August 29-30, 2004, Revised Selected Papers / / edited by Christoph Bussler, Val Tannen, Irini Fundulaki
Pubbl/distr/stampa	Berlin, Heidelberg : , : Springer Berlin Heidelberg : , : Imprint : Springer, , 2005
Edizione	[1st ed. 2005.]
Descrizione fisica	1 online resource (X, 227 p.)
Collana	Information Systems and Applications, incl. Internet/Web, and HCI ; ; 3372
Disciplina	025.04
Soggetti	Computer science Database management Artificial intelligence Information storage and retrieval Application software Computer Science, general Popular Computer Science Database Management Artificial Intelligence Information Storage and Retrieval Information Systems Applications (incl. Internet)
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Service Oriented Computing: Opportunities and Challenges -- Data Semantics Revisited -- Dynamic Agent Composition from Semantic Web Services -- Ontology-Extended Component-Based Workflows : A Framework for Constructing Complex Workflows from Semantically Heterogeneous Software Components -- Data Procurement for Enabling Scientific Workflows: On Exploring Inter-ant Parasitism -- XSDL: Making XML Semantics Explicit -- Refining Semantic Mappings from Relational Tables to Ontologies -- Triadic Relations: An Algebra for the Semantic Web -- Semantically Unlocking Database Content Through Ontology-Based Mediation -- Representation and Reasoning

About Changing Semantics in Heterogeneous Data Sources -- Context Mediation in the Semantic Web: Handling OWL Ontology and Data Disparity Through Context Interchange -- HCOME: A Tool-Supported Methodology for Engineering Living Ontologies -- Query Answering by Rewriting in GLAV Data Integration Systems Under Constraints -- Utilizing Resource Importance for Ranking Semantic Web Query Results -- Querying Faceted Databases -- Constructing and Querying Peer-to-Peer Warehouses of XML Resources.

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Sommario/riassunto

This book constitutes the thoroughly refereed postproceedings of the Second International Workshop on Semantic Web and Databases, SWDB 2004, held in Toronto, Canada in August 2004 as a satellite workshop of VLDB 2004. The 14 revised full papers presented together with 2 papers by the invited keynote speakers were carefully selected during two rounds of reviewing and improvement from 47 submissions. Among the topics addressed are data semantics, semantic Web services, service-oriented computing, workflow composition, XML semantics, relational tables, ontologies, semantic Web algebra, heterogeneous data sources, context mediation, OWL, ontology engineering, data integration, semantic Web queries, database queries, and peer-to-peer warehouses.

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