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| Collana                 | Information Systems and Applications, incl. Internet/Web, and HCI ; ; 3372                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Disciplina              | 025.04                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Soggetti                | Computer science<br>Database management<br>Artificial intelligence<br>Information storage and retrieval<br>Application software<br>Computer Science, general<br>Popular Computer Science<br>Database Management<br>Artificial Intelligence<br>Information Storage and Retrieval<br>Information Systems Applications (incl. Internet)                                                                                                                                                                                                                                                                 |
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| 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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