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Soggetti	Computer engineering Computer communication systems Application software Software engineering Data mining Information storage and retrieval Computer Engineering Computer Communication Networks Information Systems Applications (incl. Internet) Software Engineering Data Mining and Knowledge Discovery Information Storage and Retrieval
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Nota di bibliografia	Includes bibliographical references and author index.
Nota di contenuto	Invited Talks -- From Capturing Semantics to Semantic Search: A Virtuous Cycle -- Foundations of RDF Databases -- Garlik: Semantic Technology for the Consumer -- Agents -- Semantic Web Technology for Agent Communication Protocols -- xOperator -- Interconnecting the Semantic Web and Instant Messaging Networks -- Application Ontologies -- An Ontology for Software Models and Its Practical Implications for Semantic Web Reasoning -- A Core Ontology for Business Process Analysis -- Applications -- Assisting Pictogram

Selection with Semantic Interpretation -- KonneXSALT: First Steps
Towards a Semantic Claim Federation Infrastructure -- Building a
National Semantic Web Ontology and Ontology Service Infrastructure --
The FinnONTO Approach -- Creating and Using Geospatial Ontology
Time Series in a Semantic Cultural Heritage Portal -- Semantic Email as
a Communication Medium for the Social Semantic Desktop -- IVEA: An
Information Visualization Tool for Personalized Exploratory Document
Collection Analysis -- Building a Semantic Web Image Repository for
Biological Research Images -- Formal Languages -- Mapping Validation
by Probabilistic Reasoning -- Safe and Economic Re-Use of Ontologies:
A Logic-Based Methodology and Tool Support -- dRDF: Entailment for
Domain-Restricted RDF -- Finite Model Reasoning in DL-Lite -- Module
Extraction and Incremental Classification: A Pragmatic Approach for
Ontologies -- Forgetting Concepts in DL-Lite -- Foundational Issues --
An Entity Name System (ENS) for the Semantic Web -- A Functional
Semantic Web Architecture -- Learning -- Query Answering and
Ontology Population: An Inductive Approach -- Instance Based
Clustering of Semantic Web Resources -- Conceptual Clustering and Its
Application to Concept Drift and Novelty Detection -- Ontologies and
Natural Language -- Enriching an Ontology with Multilingual
Information -- Rabbit: Developing a Control Natural Language for
Authoring Ontologies -- A Natural Language Query Interface to
Structured Information -- Distinguishing between Instances and
Classes in the Wikipedia Taxonomy -- Ontology Alignment -- Two
Variations on Ontology Alignment Evaluation: Methodological Issues --
Putting Ontology Alignment in Context: Usage Scenarios, Deployment
and Evaluation in a Library Case -- CSR: Discovering Subsumption
Relations for the Alignment of Ontologies -- Query Processing --
XSPARQL: Traveling between the XML and RDF Worlds -- and Avoiding
the XSLT Pilgrimage -- Streaming SPARQL - Extending SPARQL to
Process Data Streams -- The Creation and Evaluation of iSPARQL
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Via Statistical Relational Learning Methods -- A Semantic Web
Middleware for Virtual Data Integration on the Web -- Graph
Summaries for Subgraph Frequency Estimation -- Querying Distributed
RDF Data Sources with SPARQL -- Improving Interoperability Using
Query Interpretation in Semantic Vector Spaces -- Search -- Hybrid
Search: Effectively Combining Keywords and Semantic Searches --
Combining Fact and Document Retrieval with Spreading Activation for
Semantic Desktop Search -- Q2Semantic: A Lightweight Keyword
Interface to Semantic Search -- Semantic Web Services -- Conceptual
Situation Spaces for Semantic Situation-Driven Processes -- Combining
SAWSDL, OWL-DL and UDDI for Semantically Enhanced Web Service
Discovery -- Web Service Composition with User Preferences --
Enhancing Workflow with a Semantic Description of Scientific Intent --
WSMO Choreography: From Abstract State Machines to Concurrent
Transaction Logic -- WSMO-Lite Annotations for Web Services --
Storage and Retrieval of Semantic Web Data -- Semantic Sitemaps:
Efficient and Flexible Access to Datasets on the Semantic Web -- On
Storage Policies for Semantic Web Repositories That Support Versioning
-- User Interface and Personalization -- Semantic Reasoning: A Path to
New Possibilities of Personalization -- An User Interface Adaptation
Architecture for Rich Internet Applications -- OntoGame: Weaving the
Semantic Web by Online Games -- Demo Papers -- SWING: An
Integrated Environment for Geospatial Semantic Web Services --
Semantic Annotation and Composition of Business Processes with
Maestro -- Learning Highly Structured Semantic Repositories from
Relational Databases: -- Cicero: Tracking Design Rationale in

Collaborative Ontology Engineering -- xOperator – An Extensible Semantic Agent for Instant Messaging Networks -- LabelTranslator - A Tool to Automatically Localize an Ontology -- RKBExplorer.com: A Knowledge Driven Infrastructure for Linked Data Providers -- Semantic Browsing with PowerMagpie -- Tagster - Tagging-Based Distributed Content Sharing -- The Web Service Modeling Toolkit -- Mymory: Enhancing a Semantic Wiki with Context Annotations -- Pronto: A Non-monotonic Probabilistic Description Logic Reasoner -- User Profiling for Semantic Browsing in Medical Digital Libraries -- SWiM – A Semantic Wiki for Mathematical Knowledge Management -- Integrating Open Sources and Relational Data with SPARQL -- Previewing Semantic Web Pipes -- Demo: Visual Programming for the Semantic Desktop with Konduit -- SCARLET: SemantiC RelAtion DiscoverY by Harvesting OnLinE OnTologies -- ODEWiki: A Semantic Wiki That Interoperates with the ODESeW Semantic Portal -- Simplifying Access to Large-Scale Health Care and Life Sciences Datasets -- GRISINO - An Integrated Infrastructure for Semantic Web Services, Grid Computing and Intelligent Objects -- SemSearch: Refining Semantic Search -- The Combination of Techniques for Automatic Semantic Image Annotation Generation in the IMAGINATION Application -- WSMX: A Solution for B2B Mediation and Discovery Scenarios -- Conceptual Spaces in ViCoS.

Sommario/riassunto

This book constitutes the refereed proceedings of the 5th European Semantic Web Conference, ESWC 2008, held in Tenerife, Canary Islands, Spain, in June 2008. The 51 revised full papers presented together with 3 invited talks and 25 system description papers were carefully reviewed and selected from a total of 270 submitted papers. The papers are organized in topical sections on agents, application ontologies, applications, formal languages, foundational issues, learning, ontologies and natural language, ontology alignment, query processing, search, semantic Web services, storage and retrieval of semantic Web data, as well as user interfaces and personalization.
