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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	Research Track -- Involving Domain Experts in Authoring OWL Ontologies -- Supporting Collaborative Ontology Development in Protégé -- Identifying Potentially Important Concepts and Relations in an Ontology -- RoundTrip Ontology Authoring -- nSPARQL: A Navigational Language for RDF -- An Experimental Comparison of RDF Data Management Approaches in a SPARQL Benchmark Scenario -- Anytime Query Answering in RDF through Evolutionary Algorithms -- The Expressive Power of SPARQL -- Integrating Object-Oriented and Ontological Representations: A Case Study in Java and OWL -- Extracting Semantic Constraint from Description Text for Semantic Web Service Discovery -- Enhancing Semantic Web Services with Inheritance -- Using Semantic Distances for Reasoning with Inconsistent Ontologies -- Statistical Learning for Inductive Query Answering on OWL Ontologies -- Optimization and Evaluation of Reasoning in Probabilistic Description Logic: Towards a Systematic Approach -- Modeling Documents by Combining Semantic Concepts with Unsupervised Statistical Learning -- Comparison between Ontology Distances (Preliminary Results) -- Folksonomy-Based Collabulary

Learning -- Combining a DL Reasoner and a Rule Engine for Improving Entailment-Based OWL Reasoning -- Improving an RCC-Derived Geospatial Approximation by OWL Axioms -- OWL Datatypes: Design and Implementation -- Laconic and Precise Justifications in OWL -- Learning Concept Mappings from Instance Similarity -- Instance-Based Mapping between Thesauri and Folksonomies -- Collecting Community-Based Mappings in an Ontology Repository -- Algebras of Ontology Alignment Relations -- Scalable Grounded Conjunctive Query Evaluation over Large and Expressive Knowledge Bases -- A Kernel Revision Operator for Terminologies — Algorithms and Evaluation -- Description Logic Reasoning with Decision Diagrams -- RDF123: From Spreadsheets to RDF -- Evaluating Long-Term Use of the Gnowsits Semantic Desktop for PIM -- Bringing the IPTC News Architecture into the Semantic Web -- RDFS Reasoning and Query Answering on Top of DHTs -- An Interface-Based Ontology Modularization Framework for Knowledge Encapsulation -- On the Semantics of Trust and Caching in the Semantic Web -- Semantic Web Service Choreography: Contracting and Enactment -- Formal Model for Semantic-Driven Service Execution -- Efficient Semantic Web Service Discovery in Centralized and P2P Environments -- Exploring Semantic Social Networks Using Virtual Reality -- Semantic Grounding of Tag Relatedness in Social Bookmarking Systems -- Semantic Modelling of User Interests Based on Cross-Folksonomy Analysis -- ELP: Tractable Rules for OWL 2 -- Term Dependence on the Semantic Web -- Semantic Relatedness Measure Using Object Properties in an Ontology -- Semantic Web in Use Track -- Thesaurus-Based Search in Large Heterogeneous Collections -- Deploying Semantic Web Technologies for Work Integrated Learning in Industry - A Comparison: SME vs. Large Sized Company -- Creating and Using Organisational Semantic Webs in Large Networked Organisations -- An Architecture for Semantic Navigation and Reasoning with Patient Data - Experiences of the Health-e-Child Project -- Requirements Analysis Tool: A Tool for Automatically Analyzing Software Requirements Documents -- OntoNaviERP: Ontology-Supported Navigation in ERP Software Documentation -- Market Blended Insight: Modeling Propensity to Buy with the Semantic Web -- DogOnt - Ontology Modeling for Intelligent Domestic Environments -- Introducing IYOUIT -- A Semantic Data Grid for Satellite Mission Quality Analysis -- A Process Catalog for Workflow Generation -- Inference Web in Action: Lightweight Use of the Proof Markup Language -- Supporting Ontology-Based Dynamic Property and Classification in WebSphere Metadata Server -- Towards a Multimedia Content Marketplace Implementation Based on Triplespaces -- Doctoral Consortium Track -- Semantic Enrichment of Folksonomy Tagspaces -- Contracting and Copyright Issues for Composite Semantic Services -- Parallel Computation Techniques for Ontology Reasoning -- Towards Semantic Mapping for Casual Web Users -- Interactive Exploration of Heterogeneous Cultural Heritage Collections -- End-User Assisted Ontology Evolution in Uncertain Domains -- Learning Methods in Multi-grained Query Answering.

Sommario/riassunto

This book constitutes the refereed proceedings of the 7th International Semantic Web Conference, ISWC 2008, held in Karlsruhe, Germany, during October 26-30, 2008. The volume contains 43 revised full research papers selected from a total of 261 submissions, of which an additional 3 papers were referred to the semantic Web in-use track; 11 papers out of 26 submissions to the semantic Web in-use track, and 7 papers and 12 posters accepted out of 39 submissions to the doctoral consortium. The topics covered in the research track are ontology engineering; data management; software and service engineering; non-

standard reasoning with ontologies; semantic retrieval; OWL; ontology alignment; description logics; user interfaces; Web data and knowledge; semantic Web services; semantic social networks; and rules and relatedness. The semantic Web in-use track covers knowledge management; business applications; applications from home to space; and services and infrastructure.
