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Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Invited Talks -- Tonight's Dessert: Semantic Web Layer Cakes -- Discovering and Building Semantic Models of Web Sources -- Video Semantics and the Sensor Web -- Keys, Money and Mobile Phone -- Research Track -- Querying Trust in RDF Data with tSPARQL -- RadSem: Semantic Annotation and Retrieval for Medical Images -- Semanta – Semantic Email Made Easy -- The Sile Model — A Semantic File System Infrastructure for the Desktop -- Who the Heck Is the Father of Bob? -- Benchmarking Fulltext Search Performance of RDF Stores -- A Heuristics Framework for Semantic Subscription Processing -- Towards Linguistically Grounded Ontologies -- Frame Detection over the Semantic Web -- Word Sense Disambiguation for XML Structure Feature Generation -- Improving Ontology Matching Using Meta-level Learning -- Ontology Integration Using Mappings: Towards Getting the Right Logical Consequences -- Using Partial Reference Alignments to Align Ontologies -- Semantic Matching Using the UMLS -- Embedding Knowledge Patterns into OWL -- A Core Ontology of Knowledge Acquisition -- ONTOCOM Revisited: Towards Accurate Cost Predictions for Ontology Development Projects -- Ranking Approximate Answers to Semantic Web Queries -- Tempus Fugit -- Representing, Querying and Transforming Social Networks with RDF/SPARQL -- Applied Temporal RDF: Efficient Temporal Querying of RDF Data with SPARQL -- Reduce: A Reduced Coulomb Energy Network

Method for Approximate Classification -- Hybrid Reasoning with Forest Logic Programs -- SIM-DLA: A Novel Semantic Similarity Measure for Description Logics Reducing Inter-concept to Inter-instance Similarity -- Decidability of with Transitive Closure of Roles -- FO(ID) as an Extension of DL with Rules -- A Tableau Algorithm for Handling Inconsistency in OWL -- How to Trace and Revise Identities -- Concept Search -- Semantic Wiki Search -- Applying Semantic Social Graphs to Disambiguate Identity References -- Middleware for Automated Implementation of Security Protocols -- Can RDB2RDF Tools Feasibly Expose Large Science Archives for Data Integration? -- A Flexible API and Editor for SKOS -- An Ontology of Resources: Solving the Identity Crisis -- Mining Semantic Descriptions of Bioinformatics Web Resources from the Literature -- Hybrid Adaptive Web Service Selection with SAWSDL-MX and WSDL-Analyzer -- Enhancing Service Selection by Semantic QoS -- Towards an Agent Based Approach for Verification of OWL-S Process Models -- Leveraging Semantic Web Service Descriptions for Validation by Automated Functional Testing -- Neighborhood-Based Tag Prediction -- User Evaluation Study of a Tagging Approach to Semantic Mapping -- Fuzzy Annotation of Web Data Tables Driven by a Domain Ontology -- An Integrated Approach to Extracting Ontological Structures from Folksonomies -- Reducing Ambiguity in Tagging Systems with Folksonomy Search Expansion -- Semantic Web In-Use Track -- Ontology-Based Service Discovery Front-End Interface for GloServ -- A Resource List Management Tool for Undergraduate Students Based on Linked Open Data Principles -- SCOVO: Using Statistics on the Web of Data -- Media Meets Semantic Web -- How the BBC Uses DBpedia and Linked Data to Make Connections -- Creating Digital Resources from Legacy Documents: An Experience Report from the Biosystematics Domain -- Collaborative Ocean Resource Interoperability: Multi-use of Ocean Data on the Semantic Web -- ONKI SKOS Server for Publishing and Utilizing SKOS Vocabularies and Ontologies as Services -- Ontology Libraries for Production Use: The Finnish Ontology Library Service ONKI -- Demo Track -- SAScha: Supporting the Italian Public Cooperation System with a Rich Internet Application for Semantic Web Services -- Folksonomy Enrichment and Search -- K-Tools: Towards Semantic Knowledge Management -- The XMediaBox: Sensemaking through the Use of Knowledge Lenses -- Controlled Natural Language for Semantic Annotation -- Multilingual and Localization Support for Ontologies -- WSMX 1.0: A Further Step toward a Complete Semantic Execution Environment -- MoKi: The Enterprise Modelling Wiki -- The Personal Knowledge Workbench of the NEPOMUK Semantic Desktop -- Utilizing Semantics in the Production of iTV Shows -- Knowledge Applications for Life Events: How the Dutch Government Informs the Public about Rights and Duties in the Netherlands -- CultureSampo: A National Publication System of Cultural Heritage on the Semantic Web 2.0 -- A Rule System for Querying Persistent RDFS Data -- RaDON — Repair and Diagnosis in Ontology Networks -- Supporting the Reuse of Global Unique Identifiers for Individuals in OWL/RDF Knowledge Bases -- Modeling and Enforcement of Business Policies on Process Models with Maestro -- A Reasoning-Based Support Tool for Ontology Mapping Evaluation -- Semanta – Semantic Email in Action -- KiWi – A Platform for Semantic Social Software (Demonstration) -- Pattern-Based Annotation of HTML-Streams -- OntoComP: A Protégé Plugin for Completing OWL Ontologies -- Demo: HistoryViz – Visualizing Events and Relations Extracted from Wikipedia -- Ontology Evolution with Evolve -- Cupboard – A Place to Expose Your Ontologies to Applications and the Community -- PhD Symposium -- Effects of Using

a Research Context Ontology for Query Expansion -- Towards a Semantic Infrastructure for User Generated Mobile Services -- Relational Databases as Semantic Web Endpoints -- The Relevance of Reasoning and Alignment Incoherence in Ontology Matching -- Towards a Semantic Service Broker for Business Grid -- Evolva: A Comprehensive Approach to Ontology Evolution -- A Context-Aware Approach for Integrating Semantic Web Technologies onto Mobile Devices -- Dealing with Inconsistencies in DL-Lite Ontologies.

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Sommario/riassunto

This book constitutes the refereed proceedings of the 6th European Semantic Web Conference, ESWC 2009, held in Heraklion, Crete, Greece, in May/June 2009. The 45 revised full papers of the research track presented together with the abstracts of 4 keynote lectures were carefully reviewed and selected from more than 250 submissions. The papers are organized in topical sections on applications, evaluation and benchmarking, ontologies and natural language, ontology alignment, ontology engineering, query processing, reasoning, search and identities, semantic Web architectures, semantic Web services, and tagging and annotation. In addition to the technical research track, this book presents 8 contributions to the ESWC 2009 PhD symposium, 24 system demo papers, as well as 8 contributions to the semantic Web in-use track.

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