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Soggetti	Artificial intelligence Database management Information storage and retrieval Natural language processing (Computer science) Artificial Intelligence Database Management Information Storage and Retrieval Natural Language Processing (NLP)
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Nota di contenuto	TRM – Learning Dependencies between Text and Structure with Topical Relational Models -- A Confidentiality Model for Ontologies -- Pattern Based Knowledge Base Enrichment -- Controlled Query Evaluation over OWL 2 RL Ontologies -- Completeness Statements about RDF Data Sources and Their Use for Query Answering -- Empirical Study of Logic-Based Modules: Cheap Is Cheerful -- The Logic of Extensional RDFS -- Indented Tree or Graph? A Usability Study of Ontology Visualization Techniques in the Context of Class Mapping Evaluation -- Real-Time RDF Extraction from Unstructured Data Streams -- One License to Compose Them All: A Deontic Logic Approach to Data Licensing on the Web of Data -- Federated Entity Search Using On-the-

Fly Consolidation -- ProSWIP: Property-Based Data Access for Semantic
 Web Interactive Programming -- Simplified OWL Ontology Editing for
 the Web: Is Web Protégé Enough -- A Query Tool for EL with Non-
 monotonic Rules -- Incremental Reasoning in OWL EL without
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 Procedure for SHOIQ with Transitive Closure of Roles -- Elastic and
 Scalable Processing of Linked Stream Data in the Cloud -- Towards
 Constructive Evidence of Data Flow-Oriented Web Service Composition
 -- The Combined Approach to OBDA: Taming Role Hierarchies Using
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 Web-Scale Relation Extraction -- Semantic Message Passing for
 Generating Linked Data from Tables -- Bringing Math to LOD: A
 Semantic Publishing Platform Prototype for Scientific Collections in
 Mathematics -- ORCHID – Reduction-Ratio-Optimal Computation of
 Geo-spatial Distances for Link Discovery -- Simplifying Description
 Logic Ontologies -- Fed Search: Efficiently Combining Structured
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 in Ontology Search: A Data-Driven Evaluation Framework for Ontology
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 Query as Context in Automatic Data Integration -- TRank: Ranking
 Entity Types Using the Web of Data -- DynamiTE: Parallel
 Materialization of Dynamic RDF Data -- Discovering Missing Semantic
 Relations between Entities in Wikipedia -- Infrastructure for Efficient
 Exploration of Large Scale Linked Data via Contextual Tag Clouds --
 Statistical Knowledge Patterns: Identifying Synonymous Relations in
 Large Linked Datasets -- Complete Query Answering over Horn
 Ontologies Using a Triple Store.

Sommario/riassunto

The two-volume set LNCS 8218 and 8219 constitutes the refereed
 proceedings of the 12th International Semantic Web Conference, ISWC
 2013, held in Sydney, Australia, in October 2013. The International
 Semantic Web Conference is the premier forum for Semantic Web
 research, where cutting edge scientific results and technological
 innovations are presented, where problems and solutions are
 discussed, and where the future of this vision is being developed. It
 brings together specialists in fields such as artificial intelligence,
 databases, social networks, distributed computing, Web engineering,
 information systems, human-computer interaction, natural language
 processing, and the social sciences. Part 1 (LNCS 8218) contains a total
 of 45 papers which were presented in the research track. They were
 carefully reviewed and selected from 210 submissions. Part 2 (LNCS
 8219) contains 16 papers from the in-use track which were accepted
 from 90 submissions. In addition, it presents 10 contributions to the
 evaluations and experiments track and 5 papers of the doctoral
 consortium.