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Soggetti	Artificial intelligence Computer networks Database management Application software Information storage and retrieval systems Information technology - Management Artificial Intelligence Computer Communication Networks Database Management Computer and Information Systems Applications Information Storage and Retrieval Computer Application in Administrative Data Processing
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Nota di contenuto	Invited Talks -- Knowledge Patterns -- Computational Semantics and Knowledge Engineering -- Principles for Knowledge Engineering on the Web -- Knowledge Patterns and Knowledge Representation -- Applying Ontology Design Patterns in Bio-ontologies -- A Pattern and Rule-Based Approach for Reusing Adaptive Hypermedia Creator's Models -- Natural Language-Based Approach for Helping in the Reuse of Ontology Design Patterns -- On the Influence of Description Logics Ontologies on Conceptual Similarity -- Polishing Diamonds in OWL 2 -- Formalizing Ontology Modularization through the Notion of Interfaces

-- Correspondence Patterns for Ontology Alignment -- Matching Ontologies and Data Integration -- Learning Disjointness for Debugging Mappings between Lightweight Ontologies -- Towards a Rule-Based Matcher Selection -- An Analysis of the Origin of Ontology Mismatches on the Semantic Web -- Preference-Based Uncertain Data Integration -- Natural Language, Knowledge Acquisition and Annotations -- Unsupervised Discovery of Compound Entities for Relationship Extraction -- Formal Concept Analysis: A Unified Framework for Building and Refining Ontologies -- Contextualized Knowledge Acquisition in a Personal Semantic Wiki -- Using the Intension of Classes and Properties Definition in Ontologies for Word Sense Disambiguation -- Mapping General-Specific Noun Relationships to WordNet Hypernym/Hyponym Relations -- Analysing Ontological Structures through Name Pattern Tracking -- Semi-automatic Construction of an Ontology and of Semantic Annotations from a Discussion Forum of a Community of Practice -- OMEGA: An Automatic Ontology Metadata Generation Algorithm -- Automatic Tag Suggestion Based on Resource Contents -- Integration of Semantically Annotated Data by the KnoFuss Architecture -- Search, Query and Interaction -- A Visual Approach to Semantic Query Design Using a Web-Based Graphical Query Designer -- Search Query Generation with MCRDR Document Classification Knowledge -- Ontological Profiles in Enterprise Search -- Ontologies -- A Generic Ontology for Collaborative Ontology-Development Workflows -- GoodRelations: An Ontology for Describing Products and Services Offers on the Web -- An Ontology-Centric Approach to Sensor-Mission Assignment -- Ontology Based Legislative Drafting: Design and Implementation of a Multilingual Knowledge Resource -- Situated Cognition in the Semantic Web Era -- E-Business Vocabularies as a Moving Target: Quantifying the Conceptual Dynamics in Domains -- A Platform for Object-Action Semantic Web Interaction.

Sommario/riassunto

This book constitutes the refereed proceedings of the 16th International Conference on Knowledge Engineering and Knowledge Management, EKAW 2008, held in Acitrezza, Sicily, Italy, in September/October 2008. The 17 revised full papers and 15 revised short papers presented together with 3 invited talks were carefully reviewed and selected from 102 submissions. The papers are organized in topical sections on knowledge patterns and knowledge representation, matching ontologies and data integration, natural language, knowledge acquisition and annotations, search, query and interaction, as well as ontologies.
