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Nota di contenuto	Invited Talks -- Emerging Sciences of the Internet: Some New Opportunities -- Design Abstractions for Innovative Web Applications: The Case of the SOA Augmented with Semantics -- The Lixto Systems Applications in Business Intelligence and Semantic Web -- Ways to Develop Human-Level Web Intelligence: A Brain Informatics Perspective -- Best Papers -- Empowering Software Maintainers with Semantic Web Technologies -- Minimal Deductive Systems for RDF -- Semantic Web Services -- Web Service Contracting: Specification and Reasoning with SCIFF -- Dynamic Service Discovery Through Meta-interactions with Service Providers -- Two-Phase Web Service Discovery Based on Rich Functional Descriptions -- A Reasoning Framework for Rule-Based WSML -- Ontology Learning, Inference and Mapping I -- GenTax: A Generic Methodology for Deriving OWL and RDF-S Ontologies from Hierarchical Classifications, Thesauri, and Inconsistent Taxonomies -- SPARQLeR: Extended Sparql for Semantic Association Discovery -- Simple Algorithms for Predicate Suggestions Using Similarity and Co-occurrence -- Learning Disjointness -- Case Studies -- Developing Ontologies for Collaborative Engineering in Mechatronics -- Media, Politics and the Semantic Web -- SEEMP: An Semantic Interoperability

Infrastructure for e-Government Services in the Employment Sector -- Combining RDF Vocabularies for Expert Finding -- Social Semantic Web -- Extracting Social Networks Among Various Entities on the Web -- Towards Semantic Social Networks -- Knowledge Sharing on the Semantic Web -- Ontologies: Requirements and Analysis -- Real-World Reasoning with OWL -- How to Design Better Ontology Metrics -- Measuring Inconsistencies in Ontologies -- Personalization I -- Squirrel: An Advanced Semantic Search and Browse Facility -- User-Centric Faceted Search for Semantic Portals -- An Approach for Identification of User's Intentions During the Navigation in Semantic Websites -- Foundations of the Semantic Web -- A Novel Combination of Answer Set Programming with Description Logics for the Semantic Web -- Algorithms for Paraconsistent Reasoning with OWL -- Vague Knowledge Bases for Matchmaking in P2P E-Marketplaces -- Symbol Grounding for the Semantic Web -- Natural Languages and Ontologies -- Ontology-Driven Semantic Ranking for Natural Language Disambiguation in the OntoNL Framework -- Web-Annotations for Humans and Machines -- PANTO: A Portable Natural Language Interface to Ontologies -- Mining the Web Through Verbs: A Case Study -- Applications -- What Have Innsbruck and Leipzig in Common? Extracting Semantics from Wiki Content -- SALT - Semantically Annotated for Scientific Publications -- Annotating Relationships Between Multiple Mixed-Media Digital Objects by Extending Annotea -- Describing Ontology Applications -- Querying and Web Data Models -- The SPARQL Query Graph Model for Query Optimization -- A Unified Approach to Retrieving Web Documents and Semantic Web Data -- Distributed Knowledge Representation on the Social Semantic Desktop: Named Graphs, Views and Roles in NRL -- Semantic Process Retrieval with iSPARQL -- Ontology Learning, Inference and Mapping II -- Integrating Folksonomies with the Semantic Web -- IdentityRank: Named Entity Disambiguation in the Context of the NEWS Project -- A Study in Empirical and 'Casuistic' Analysis of Ontology Mapping Results -- Acquisition of OWL DL Axioms from Lexical Resources -- Personalization II -- On Enriching Ajax with Semantics: The Web Personalization Use Case -- A Semantic Web Service Oriented Framework for Adaptive Learning Environments -- Semantic Composition of Lecture Subparts for a Personalized e-Learning -- System Descriptions -- Caravela: Semantic Content Management with Automatic Information Integration and Categorization (System Description) -- The NExT System: Towards True Dynamic Adaptations of Semantic Web Service Compositions -- WSMO Studio – A Semantic Web Services Modelling Environment for WSMO -- An Annotation Tool for Semantic Documents -- SWHi System Description: A Case Study in Information Retrieval, Inference, and Visualization in the Semantic Web -- Semantic Turkey: A Semantic Bookmarking Tool (System Description) -- The Web Service Modeling Toolkit - An Integrated Development Environment for Semantic Web Services -- Understanding Large Volumes of Interconnected Individuals by Visual Exploration -- System Description: An Orienteering Strategy to Browse Semantically-Enhanced Educational Wiki Pages -- Efficient Content Creation on the Semantic Web Using Metadata Schemas with Domain Ontology Services (System Description).