1.	Record Nr.	UNISA996465937803316
	Titolo	The Semantic Web: Research and Applications [[electronic resource]] : 7th Extended Semantic Web Conference, ESWC 2010, Heraklion, Crete, Greece, May 30 - June 2, 2010, Proceedings, Part I / / edited by Lora Aroyo, Grigoris Antoniou, Eero Hyvönen, Annette ten Teije, Heiner Stuckenschmidt, Liliana Cabral, Tania Tudorache
	Pubbl/distr/stampa	Berlin, Heidelberg : , : Springer Berlin Heidelberg : , : Imprint : Springer, , 2010
	ISBN	1-280-38696-7 9786613564887 3-642-13486-6
	Edizione	[1st ed. 2010.]
	Descrizione fisica	1 online resource (460 p. 125 illus.)
	Collana	Information Systems and Applications, incl. Internet/Web, and HCI ; ; 6088
	Disciplina	004.6
	Soggetti	Computer communication systems Computers Artificial intelligence Application software Database management Multimedia information systems Computer Communication Networks Information Systems and Communication Service Artificial Intelligence Information Systems Applications (incl. Internet) Database Management Multimedia Information Systems
	Lingua di pubblicazione	Inglese
	Formato	Materiale a stampa
	Livello bibliografico	Monografia
	Note generali	Bibliographic Level Mode of Issuance: Monograph
	Nota di bibliografia	Includes bibliographical references and index.
	Nota di contenuto	Mobility Track -- Incremental Reasoning on Streams and Rich Background Knowledge -- Mobile Semantic-Based Matchmaking: A Fuzzy DL Approach -- Replication and Versioning of Partial RDF Graphs -- Finding Your Way through the Rijksmuseum with an Adaptive Mobile

Museum Guide -- A Hybrid Model and Computing Platform for Spatio-semantic Trajectories -- Ontologies and Reasoning Track -- Reactive Policies for the Semantic Web -- Categorize by: Deductive Aggregation of Semantic Web Query Results -- Natural Language Interfaces to Ontologies: Combining Syntactic Analysis and Ontology-Based Lookup through the User Interaction -- GeoWordNet: A Resource for Geo-spatial Applications -- Assessing the Safety of Knowledge Patterns in OWL Ontologies -- Entity Reference Resolution via Spreading Activation on RDF-Graphs -- A Generic Approach for Correcting Access Restrictions to a Consequence -- Dealing with Inconsistency When Combining Ontologies and Rules Using DL-Programs -- Aligning Large SKOS-Like Vocabularies: Two Case Studies -- OWL Reasoning with WebPIE: Calculating the Closure of 100 Billion Triples -- Efficiently Joining Group Patterns in SPARQL Queries -- Reasoning-Based Patient Classification for Enhanced Medical Image Annotation -- Semantic Web in Use Track -- Facilitating Dialogue - Using Semantic Web Technology for eParticipation -- Implementing Archaeological Time Periods Using CIDOC CRM and SKOS -- Facet Graphs: Complex Semantic Querying Made Easy -- Interactive Relationship Discovery via the Semantic Web -- Put in Your Postcode, Out Comes the Data: A Case Study -- Taking OWL to Athens -- Generating Innovation with Semantically Enabled TasLab Portal -- Context-Driven Semantic Enrichment of Italian News Archive -- A Pragmatic Approach to Semantic Repositories Benchmarking -- A Web-Based Repository Service for Vocabularies and Alignments in the Cultural Heritage Domain -- Ontology Management in an Event-Triggered Knowledge Network -- Sensor Networks Track -- Modeling and Querying Metadata in the Semantic Sensor Web: The Model stRDF and the Query Language stSPARQL.

Sommario/riassunto	This volume contains papers from the technical program of the 7th Extended Semantic Web Conference (ESWC 2010), held from May 30 to June 3, 2010, in Heraklion, Greece. ESWC 2010 presented the latest results in research and applications of Semantic Web technologies. ESWC 2010 built on the success of the former European Semantic Web Conference series, but sought to extend its focus by engaging with other communities within and outside Information and Communication Technologies, in which semantics can play an important role. At the same time, ESWC has become a truly international conference. Semantics of Web content, enriched with domain theories (ontologies), data about Web usage, natural language processing, etc., will enable a Web that p- vides a qualitatively new level of functionality. It will weave together a large network of human knowledge and make this knowledge machine-processable. Various automated services, based on reasoning with metadata and ontologies, will help the users to achieve their goals by accessing and processing infor- tion in machine-understandable form. This network of knowledge systems will ultimately lead to truly intelligent systems, which will be employed for va- ous complex decision-making tasks. Research about Web semantics can bene?t from ideas and cross-fertilization with many other areas: arti?cial intelligence, natural language processing, database and information systems, information - trieval, multimedia, distributed systems, social networks, Web engineering, and Web science.