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Nota di contenuto	Semantic Web Services -- Automatic Location of Services -- Feta: A Light-Weight Architecture for User Oriented Semantic Service Discovery -- Optimally Distributing Interactions Between Composed Semantic Web Services -- A POP-Based Replanning Agent for Automatic Web Service Composition -- Process-Level Composition of Executable Web Services: "On-the-fly" Versus "Once-for-all" Composition -- The OWL-S Editor -- A Development Tool for Semantic Web Services -- Languages -- Temporal RDF -- Multilingual RDF and OWL -- RDFSculpt: Managing RDF Schemas Under Set-Like Semantics -- REDD: An Algorithm for

Redundancy Detection in RDF Models -- OWL-Eu: Adding Customised Datatypes into OWL -- Towards a Fuzzy Description Logic for the Semantic Web (Preliminary Report) -- Consistent Evolution of OWL Ontologies -- Ontologies -- Extending HCONE-Merge by Approximating the Intended Meaning of Ontology Concepts Iteratively -- Soundness of Schema Matching Methods -- Debugging and Semantic Clarification by Pinpointing -- An Argumentation Ontology for Distributed, Loosely-controlled and evolving Engineering processes of ontologies (DILIGENT) -- Towards an Ontology-Based Distributed Architecture for Paid Content -- Efficient Semantic Matching -- Ontology-Based Policy Specification and Management -- Web Explanations for Semantic Heterogeneity Discovery -- Reasoning and Querying -- Approximating Description Logic Classification for Semantic Web Reasoning -- AIS and Semantic Query -- Querying RDF Data from a Graph Database Perspective -- DRAGO: Distributed Reasoning Architecture for the Semantic Web -- Dually Structured Concepts in the Semantic Web: Answer Set Programming Approach -- Nonmonotonic Ontological and Rule-Based Reasoning with Extended Conceptual Logic Programs -- Search and Information Retrieval -- Product Information Meta-search Framework for Electronic Commerce Through Ontology Mapping -- Multiple Vehicles for a Semantic Navigation Across Hyper-environments -- Activity Based Metadata for Semantic Desktop Search -- An Ontology-Based Information Retrieval Model -- Knowledge Sharing by Information Retrieval in the Semantic Web -- Users and Communities -- Collaborative and Usage-Driven Evolution of Personal Ontologies -- Towards Semantically-Interlinked Online Communities -- The Personal Publication Reader: Illustrating Web Data Extraction, Personalization and Reasoning for the Semantic Web -- Natural Language for the Semantic Web -- Generating Tailored Textual Summaries from Ontologies -- AquaLog: An Ontology-Portable Question Answering System for the Semantic Web -- Lexically Evaluating Ontology Triples Generated Automatically from Texts -- AnnotationTools -- Pedro Ontology Services: A Framework for Rapid Ontology Markup -- Semantic Annotation of Images and Videos for Multimedia Analysis -- RELFIN – Topic Discovery for Ontology Enhancement and Annotation -- Semantic Web-Based Document: Editing and Browsing in AktiveDoc -- Semantic Web Applications -- Semantic-Based Automated Composition of Distributed Learning Objects for Personalized E-Learning -- Orchestration of Semantic Web Services for Large-Scale Document Annotation -- Monitoring Research Collaborations Using Semantic Web Technologies -- Enabling Real World Semantic Web Applications Through a Coordination Middleware -- A Semantic Service Environment: A Case Study in Bioinformatics -- Towards B2B Integration in Telecommunications with Semantic Web Services -- Invited Papers -- SWebB: Semantic Web Browsing -- The Semantic Grid: Past, Present and Future.

Sommario/riassunto

This volume contains the papers presented at the 2nd European Semantic Web Conference (ESWC 2005) held in Heraklion, Crete, Greece, from 29th May to 1st June, 2005. The vision of the Semantic Web is to enhance today's Web via the exploitation of machine-processable metadata. The explicit representation of the semantics of data, accompanied with domain theories (ontologies), will enable a web that provides a qualitatively new level of service. It will weave together an -
credibly large network of human knowledge and will complement it with machine processability. Various automated services will help the user to achieve goals by accessing and providing information in a machine-understandable form. This process may ultimately create extremely

knowledgeable systems with various specialized reasoning services systems. Many technologies and methodologies are being developed within artificial intelligence, human language technology, machine learning, databases, software engineering and information systems that can contribute to the realization of this vision. The 2nd Annual European Semantic Web Conference presented the latest results in research and applications of Semantic Web technologies. Following the success of the first edition, ESWC showed a significant increase in participation. With 148 submissions, the number of papers doubled that of the previous edition. Each submission was evaluated by at least three reviewers. The selection process resulted in the acceptance of 48 papers for publication and presentation at the conference (an acceptance rate of 32%). Papers did not come only from Europe but also from other continents.
