1. Record Nr. UNINA9910768480003321

Titolo	The Semantic Web - ISWC 2004 : Third International Semantic Web Conference, Hiroshima, Japan, November 7-11, 2004. Proceedings / / edited by Sheila A. McIlraith, Dimitris Plexousakis, Frank van Harmelen
Pubbl/distr/stampa	Berlin, Heidelberg : , : Springer Berlin Heidelberg : , : Imprint : Springer, , 2004
ISBN	3-540-30475-4
Edizione	[1st ed. 2004.]
Descrizione fisica	1 online resource (XXXV, 844 p.)
Collana	Lecture Notes in Computer Science, , 0302-9743 ; ; 3298
Disciplina	025.04
Soggetti	Computer science Database management Application software Information storage and retrieval Computer networks Multimedia systems Popular Computer Science Database Management Information Systems Applications (incl. Internet) Information Storage and Retrieval Computer Communication Networks 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 at the end of each chapters and index.
Nota di contenuto	Invited Papers -- How to Build Google2Google – An (Incomplete) Recipe – -- Small Can Be Beautiful in the Semantic Web -- Data Semantics -- A Method for Converting Thesauri to RDF/OWL -- Contexts for the Semantic Web -- Bipartite Graphs as Intermediate Model for RDF -- A Model Theoretic Semantics for Ontology Versioning -- Extending the RDFS Entailment Lemma -- Using Semantic Web Technologies for Representing E-science Provenance -- P2P Systems -- GridVine: Building Internet-Scale Semantic Overlay Networks -- Bibster – A Semantics-Based Bibliographic Peer-to-Peer System -- Top-k Query

Evaluation for Schema-Based Peer-to-Peer Networks -- Semantic Web Mining -- Learning Meta-descriptions of the FOAF Network -- From Tables to Frames -- Tools and Methodologies for Web Agents -- The Specification of Agent Behavior by Ordinary People: A Case Study -- User Interfaces and Visualization -- Visual Modeling of OWL DL Ontologies Using UML -- What Would It Mean to Blog on the Semantic Web? -- The Protégé OWL Plugin: An Open Development Environment for Semantic Web Applications -- OntoTrack: Combining Browsing and Editing with Reasoning and Explaining for OWL Lite Ontologies -- Tracking Changes During Ontology Evolution -- Large Scale Knowledge Management -- An Evaluation of Knowledge Base Systems for Large OWL Datasets -- Structure-Based Partitioning of Large Concept Hierarchies -- Semantic Web Services -- Semantic Web Service Interaction Protocols: An Ontological Approach -- ASSAM: A Tool for Semi-automatically Annotating Semantic Web Services -- Information Gathering During Planning for Web Service Composition -- Applying Semantic Web Services to Bioinformatics: Experiences Gained, Lessons Learnt -- Automating Scientific Experiments on the Semantic Grid -- Automated Composition of Semantic Web Services into Executable Processes -- A Conceptual Architecture for Semantic Web Services -- From Software APIs to Web Service Ontologies: A Semi-automatic Extraction Method -- Applying KAoS Services to Ensure Policy Compliance for Semantic Web Services Workflow Composition and Enactment -- Inference -- Knowledge-Intensive Induction of Terminologies from Metadata -- Inferring Data Transformation Rules to Integrate Semantic Web Services -- Using Vampire to Reason with OWL -- Searching and Querying -- Generating On the Fly Queries for the Semantic Web: The ICS-FORTH Graphical RQL Interface (GRQL) -- A Comparison of RDF Query Languages -- Information Retrieval Support for Ontology Construction and Use -- Rules-By-Example – A Novel Approach to Semantic Indexing and Querying of Images -- Query Answering for OWL-DL with Rules -- Semantic Web Middleware -- A Semantic Web Resource Protocol: XPointer and HTTP -- On the Emergent Semantic Web and Overlooked Issues -- Metadata-Driven Personal Knowledge Publishing -- Integration and Interoperability -- An Extensible Directory Enabling Efficient Semantic Web Service Integration -- Working with Multiple Ontologies on the Semantic Web -- Opening Up Magpie via Semantic Services -- Ontologies -- Towards a Symptom Ontology for Semantic Web Applications -- Patching Syntax in OWL Ontologies -- QOM – Quick Ontology Mapping -- An API for Ontology Alignment -- Specifying Ontology Views by Traversal -- Automatic Generation of Ontology for Scholarly Semantic Web -- Industrial Track -- Querying Real World Services Through the Semantic Web -- Public Deployment of Semantic Service Matchmaker with UDDI Business Registry -- SemanticOrganizer: A Customizable Semantic Repository for Distributed NASA Project Teams -- SWS for Financial Overdrawn Alerting -- OntoViews – A Tool for Creating Semantic Web Portals -- Applying Semantic Web Technology to the Life Cycle Support of Complex Engineering Assets -- ORIENT: Integrate Ontology Engineering into Industry Tooling Environment.

Sommario/riassunto

The 3rd International Semantic Web Conference (ISWC 2004) was held Nov- ber 7–11, 2004 in Hiroshima, Japan. If it is true what the proverb says: “Once by accident, twice by habit, three times by tradition,” then this third ISWC did indeed ?rmly establish a tradition. After the overwhelming interest in last year’s conference at Sanibel Island, Florida, this year’s conference showed that the Semantic Web is not just a one-day wonder, but has established itself ?rmly on the research agenda. At a time when special interest meetings with a Sem- tic Web

theme are springing up at major conferences in numerous areas (ACL, VLDB, ECAI, AAAI, ECML, WWW, to name but a few), the ISWC series has established itself as the primary venue for Semantic Web research. Response to the call for papers for the conference continued to be strong. We solicited submissions to three tracks of the conference: the research track, the industrial track, and the poster track. The research track, the premier venue for basic research on the Semantic Web, received 205 submissions, of which 48 were accepted for publication. Each submission was evaluated by three p- gram committee members whose reviews were coordinated by members of the senior program committee. Final decisions were made by the program co-chairs in consultation with the conference chair and the senior program committee. The industrial track, soliciting papers describing industrial research on the - mantic Web, received 22 submissions, of which 7 were accepted for publication.