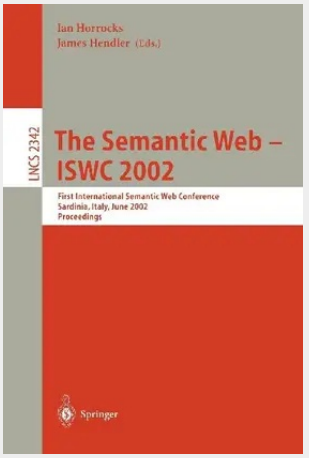
Horrocks / Hendler

The Semantic Web - ISWC 2002

First International Semantic Web Conference, Sardinia, Italy, June 9-12, 2002, Proceedings

This volume contains the papers presented at the First International Sem- tic Web Conference (ISWC 2002) held in Sardinia, Italy, 9–12th June, 2002. The conference followed on from the highly successful Semantic Web Working Symposium held at Stanford University, USA in 2001. A total of 133 papers were submitted to ISWC 2002, comprising 95 research papers, 22 position papers, and 16 system description papers. Each submission was evaluated by at least two referees, mainly members of the Program Comm- tee. This resulted in the selection of 40 papers for presentation at the conference and publication in this volume. Of these, 27 are research papers, 6 are position papers, and 7 are system description papers. We would like to thank the many people who made ISWC 2002 possible. In particular, we are grateful to the following groups and individuals: Je? Pan for help with the conference management software and proceedings; the p- gram committee for their reviewing e?orts and advice on organizational details; Michele Missiko? and Nicoletta Dess´? for conference organization and local co- dination; J ´erˆome Euzenat for ?nancial organization and the conference web site; Asunci´ on G´ omez-P´erez for organizing the tutorials; Raphael Malyankar for - ganizing the poster session; Ste?en Staab, Siegfried Handschuh, and Marc Ehrig for organizing semantic markup; Deborah McGuinness and Ying Ding for - ranging sponsorship; and the sponsors themselves for their moral and ?nancial support.

Invited Papers.- Semantic Web Enabled Web Services.- The Grid, Grid Services and the Semantic Web: Technologies and Opportunities.- Research Papers.- Matching RDF Graphs.- Layering the Semantic Web: Problems and Directions.- Notions of Indistinguishability for Semantic Web Languages.- The Usable Ontology: An Environment for Building and Assessing a Domain Ontology.- Sesame: A Generic Architecture for Storing and Querying RDF and RDF Schema.- A Formal Model for Topic Maps.- Towards High-Precision Service Retrieval.- Automatic Generation of Java/SQL Based Inference Engines from RDF Schema and RuleML.- Ontology-Based Integration of XML Web Resources.- Benchmarking RDF Schemas for the Semantic Web.- Building the Semantic Web on XML.- Trusting Information Sources One Citizen at a Time.- Querying the Semantic Web: A Formal Approach.- Semantic Configuration Web Services in the CAWICOMS Project.- Integrating Vocabularies: Discovering and Representing Vocabulary Maps.- OntoEdit: Collaborative Ontology Development for the Semantic Web.- Towards a Modification Exchange Language for Distributed RDF Repositories.- Representing Disjunction and Quantifiers in RDF.- Towards Semantic Web Mining.- Bringing Together Semantic Web and Web Services.- Global vs. Community Metadata Standards: Empowering Users for Knowledge Exchange.- Taking the RDF Model Theory Out for a Spin.- Concurrent Execution Semantics of DAML-S with Subtypes.- Semantic Matching of Web Services Capabilities.- DAML-S: Web Service Description for the Semantic Web.- TRIPLE-A Query, Inference, and Transformation Language for the Semantic Web.- A Data Integration Framework for e-Commerce Product Classification.- Position Papers.- Nonmonotonic Rule Systems on Top of Ontology Layers.- An RDF NetAPI.- A Mini-experiment inSemantic Annotation.- SWAD-Europe: Semantic Web Advanced Development in Europe A Position Paper.- Preemptive Reification.- Four Steps Towards the Widespread Adoption of a Semantic Web.- System Descriptions.- Three Implementations of SquishQL, a Simple RDF Query Language.- ClaiMaker: Weaving a Semantic Web of Research Papers.- Business and Enterprise Ontology Management with SymOntoX.- Is Participation in the Semantic Web Too Difficult?.- Consistency Checking of Semantic Web Ontologies.- WebTheme(TM): Understanding Web Information through Visual Analytics.- Browsing Schedules - An Agent-Based Approach to Navigating the Semantic Web.



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