

Preface

This volume contains the papers presented at the First International Semantic 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 Committee. 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: Jeff Pan for help with the conference management software and proceedings; the program committee for their reviewing efforts and advice on organizational details; Michele Missikoff and Nicoletta Dessì for conference organization and local coordination; Jérôme Euzenat for financial organization and the conference web site; Asunción Gómez-Pérez for organizing the tutorials; Raphael Malyankar for organizing the poster session; Steffen Staab, Siegfried Handschuh, and Marc Ehrig for organizing semantic markup; Deborah McGuinness and Ying Ding for arranging sponsorship; and the sponsors themselves for their moral and financial support.

April 2002

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James Hendler

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Additional Referees

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Andrea Cali	Frank Nack	Gerd Stumme
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Siegfried Handschuh	Arnaud Sahuguet	

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Poster Chair:	Raphael Malyankar (Arizona State University)
Metadata Chair:	Steffen Staab (University of Karlsruhe)

Conferences Preceding ISWC 2002

Semantic Web Working Symposium (SWWS), Stanford University, USA, 2001

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ISWC 2002 Poster Session

The following posters were presented at the ISWC 2002 Poster Session.

Learning Organizational Memory

Marie-Hélène Abel, Dominique Lenne, Omar Cissé

Approximate Ontology Translation and its Application to Regional Information Services

Jun-ichi Akahani, Kaoru Hiramatsu, Kiyoshi Kogure

Adding Semantics to Scientific Collaboration Documents

Muthukkaruppan Annamalai, Lito Cruz, Leon Sterling, Glenn Moloney

Semantic Web + Cooperative Web = Web Semantics

Daniel Gayo Avello, Dario Álvarez Gutiérrez

A Graph Visualization/Transformation Framework

Daniel Ayers

An Ontology-Based Approach to model virtual learning environments

Francesco Maria Aymerich, Nicoletta Dessì

Active Document Enrichment using Adaptive Information Extraction from Text

Fabio Ciravegna, Alexiei Dingli and Daniela Petrelli

Six Challenges for the Semantic Web

V. Richard Benjamins, Asunción Gómez-Pérez, Oscar Corcho, Jesús Contreras

QuizRDF: Search Technology for the Semantic Web

John Davies, Richard Weeks, Uwe Krohn

An Ontology for Intellectual Property Rights

Jaime Delgado, Isabel Gallego, Roberto García, Rosa Gil

SemTalk: Authoring the Semantic Web with MS Visio

Christian Fillies, Gay Wood-Albrecht, Frauke Weichhardt

Building an Integrated Formal Ontology for Semantic Interoperability in the Fishery Domain

Aldo Gangemi, Frehiwot Fisseha, Ian Pettman, Johannes Keizer

Challenging DAML+OIL by a Commercial Technology — What can the Semantic Web learn from it? (Preliminary Results)

Rolf Grütter, Joachim Peer, Beat F. Schmid

Information System Concepts based on semiotics: The FRISCO Approach

Wolfgang Hesse

S-CREAM — Semi-automatic CREAtion of Metadata

Siegfried Handschuh, Steffen Staab, Fabio Ciravegna

ELENA — Creating a Smart Space for Learning

Barbara Kieslinger, Bernd Simon, Gorazd Vrabec, Gustaf Neumann, Juan Quemada, Nicola Henze, Sigrun Gunnersdottir, Stefan Brantner, Tilman Kuechler, Wolf Siberski, Wolfgang Nejdl

Editing Learning Object Metadata: Schema Driven Input of RDF Metadata

T. Kunze, J. Brase, W. Nejdl

Lowering the entry level: Lessons from the Web and the Semantic Web for the World-Wide-Mind

Ciaran O'Leary, Mark Humphrys

A Scalable Web based GIS Cluster System with Spatial Workload-Aware Request Distribution Strategy

Chungho Lee, Jae-dong Lee, Hae-young Bae

Content-based Retrieval of Analytic Reports

Vaclav Lin, Jan Rauch, Vojtech Svatek

Ontology-based Communication Forum

Marian Mach, Peter Macej, Jan Hreno

Using Shared Ontologies for Communication and Personalization

Claude Moulin, Sylvain Giroux, Raffaella Sanna, Alessandro Soro, Gavino Paddeu

Symbolic Analytic Systemization of RDF Model Theory

Stirling S Newberry

Ontology Harmonisation towards the Semantic Web

Manjula Patel

MyCampus: A Semantic Web Environment for Context-Aware Mobile Services

Norman Sadeh, Enoch Chan, Rahul Culas, Wilson Lau, Yoshinori Shimazaki, Linh Van

Publishing Technology in Spoken Languages from XML Database

Yohei Seki

Approximate Terminological reasoning for the Semantic Web

Heiner Stuckenschmidt, Frank van Harmelen, Perry Groot

Towards the Discovery of Implicit Metadata in Commercial Web Pages

Vojtech Svatek, Martin Kavalec, Jiri Klemperer

Towards Implementing Differential Structuring of Ontologies

Raphael Tröncy and Isaac Antoine

KAON-Server – A Semantic Web Management System

Raphael Volz, Alexander Maedche

The Semantic Web - ISWC 2002

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

Horrocks, I.; Hendler, J. (Eds.)

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