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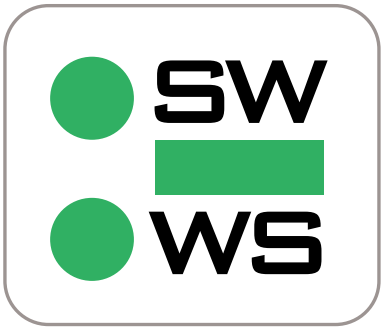
ICLP'06 Workshop

ALPSWS2006: Applications of Logic Programming in the Semantic Web and Semantic Web Services

August 16th, 2006

Proceedings



Editors:

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Preface

The advent of the Semantic Web promises machine readable semantics and a machine-processable next Generation of the Web. The first step in this direction is the annotation of static data on the Web by machine processable information about knowledge and its structure by means of Ontologies. The next step in this direction is the annotation of dynamic applications and services invocable over the Web in order to facilitate automation of discovery, selection and composition of semantically described services and data sources on the Web by intelligent methods, which is called Semantic Web Services.

This volume contains the papers presented at the international workshop on *Applications of Logic Programming in the Semantic Web and Semantic Web Services (ALPSWS2006)* held on August 16th, 2006 in Seattle, Washington as part of the 22$^{\text{nd}}$ International Conference on Logic Programming (ICLP06).

Many previous workshops and conferences were dedicated to these promising areas mostly with generic topics. With the ALPSWS2006 workshop we had a slighlty different goal. Rather that bringing together people from a widespread variety of research fields with different understandings of the topic we wanted to focus on the various applications areas and approaches in this area from declarative logic programming (LP).

The idea was to get a snapshot of the state of the work related to applications of LP to Semantic Web and Semantic Web Services with the following main objective major benefits:

- Bringing together people from different sub-disciplines of LP and focus on technological solutions and applications from LP to the problems of the Web.
- Promoting further research in this interesting application field.

Overall, there were 13 submissions. Each submission was reviewed by at least 3 programme committee members. The committee decided to accept 7 papers (6 full-length papers and one short paper) for presentations. 5 of the papers which could not be considered for full presentations, resubmitted extended abstracts which have been presented as posters during the workshop and are also included in this volume.

August 2006 Axel Polleres

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