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# Web Reasoning and Rule Systems

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Proceedings

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# Preface

This volume contains the proceedings of the 1st International Conference on Web Reasoning and Rule Systems (RR2007). This conference was special in that it is the first in a series whose ambitious goal is to be the major forum for discussion and dissemination of new results on all topics concerning Web reasoning and rule systems.

The importance of Web reasoning and rule systems has been constantly growing in the recent years, becoming more and more crucial for the future of the Web and of information handling. However, discussions on these aspects were, so far, distributed among a number of different events, lacking a common focus event. The new RR series fills this gap, and provides such a unified forum, giving reasoning and rules the first-class role they deserve, and offering the place for the best research on these topics to be presented, discussed, and advanced.

In its unifying role, RR2007 brought together three previously separate events: the International Workshop on Principles and Practice of Semantic Web Reasoning (PPSWR), the International Conference on Rules and Rule Markup Languages for the Semantic Web (RuleML), and the International Workshop on Reasoning on the Web (RoW). Every merge needs effort, but we have to remark how, in this case, there was an enthusiastic support that made it possible, rather exceptionally, for this conference to take place as early as this year, whereas the initial planning was for 2008: this witnesses the big need for such a common forum, bringing together initially different communities as soon as possible, overcoming all the timing difficulties for a higher goal.

Starting early had its risks: the short time reflected on a very short announcement and deadline, aggravated by the fact this was a first edition (and as such, it has yet to build up a success history). Despite all of these difficulties, we were very pleased to receive more than 60 submissions, which showed that the expectations were justified, and made us confident that the subsequent events in this series will be even more successful, making RR the unifying forum in the area. The Program Committee also did an exceptional job, managing to complete the paper selection in record time, eventually selecting 14 full papers, 15 short papers, and 7 selected posters. This great selection truly represents the state of the art in Web reasoning and rule systems.

Finally, we would like to thank all the people who made this possible. The people from PPSWR (including the REVERSE Executive Committee), from the RuleML organization, from RoW, from the newly founded RR Steering Committee, who put their enthusiasm in to making this event live as soon as possible. The people from the Program Committee and the reviewers, who faced the challenge of completing the paper selection even within a time-critical situation. The authors who submitted their works at the conference, believing in a first edition like this, and in the idea it brings forth. Last but not least, we would like to

thank Andrei Voronkov, the author of the Easychair system, who made possible the handling of this conference even within such constrained timing, and Nick Cercone, the Editor-in-Chief of the *International Journal of Knowledge and Information Systems* (KAIS), who accepted to have the best papers of RR2007 submitted to a top journal even with RR in its first edition.

April 2007

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(<http://www.rewerse.net/>)



### RuleML

(<http://www.ruleml.org/>)



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