

Preface

Advances in Semantic Web and linked data research and standardization have established formats and technologies for representing, sharing, and re-using knowledge on the Web. The scale, velocity, and heterogeneous nature of Web data however, poses many challenges, and turns basic tasks such as query answering, data transformations, and knowledge integration into complex reasoning problems. Rule-based systems and rule-based extensions to Web languages have found numerous applications where the ability to synthesize relevant knowledge from noisy, distributed, heterogeneous, dynamic, incomplete, and possibly contradicting information is key.

The International Conference on Web Reasoning and Rule Systems has become a major forum for discussion and dissemination of new results on relevant topics in these areas, spanning research areas from computational intelligence and agent-based systems to Web technologies and information extraction.

This volume contains the proceedings of the 9th International Conference on Web Reasoning and Rule Systems (RR 2015), held during August 4–5, 2015, in Berlin, Germany. The conference program included presentations of five full research papers and four technical communications, a more concise paper format that provides the opportunity to present preliminary and ongoing work, systems, and applications that are of interest to the RR audience. The conference program also included keynote talks by Michael Genesereth, Benny Kimelfeld, Lora Aroyo, and Riccardo Rosati, covering both the scientific and the industrial perspectives of Web reasoning and rule systems. Extended abstracts of these talks are included in this volume. This year's edition of RR was organized in conjunction with the International Web Rule Symposium (RuleML), and the talk by Michael Genesereth was a joint keynote with RuleML. The accepted papers were selected out of 16 submissions, of which 11 were full papers and five were technical communications. Each submission received at least three reviews. Five full papers and two technical communications were accepted, and two full papers were accepted as technical communications.

In order to foster the engagement of students and their precious contribution to the research community, RR also hosted a doctoral consortium and a joint poster session. The participation and contribution of students to the RR poster session have also been fostered by the established co-location with the 11th edition of the Reasoning Web Summer School, held just before RR.

We want to thank the invited speakers for their valuable contribution, and the local organizer Adrian Paschke and his team who did a magnificent job with the organization of the event. We would like to thank our general chair Wolfgang Faber, our doctoral consortium chair Marco Montali, and our publicity chair Luca Pulina. We also thank Marco Maratea for his very successful work as a sponsorship chair, and we gratefully acknowledge the support of our sponsors. As usual, EasyChair provided a fantastic

support as conference management system and for the preparation of these proceedings. Last but not least, we thank all authors and participants of RR 2015, the essential constituents of the scientific community; we hope they had an enjoyable stay in Berlin.

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