Preface

This volume collects the ten demo papers accepted for presentation at the RuleML2013 International Rule Challenge (the 7th International Web Rule Challenge), three papers accepted at the Human Language Technology special track of RuleML2013 and three selected papers accepted for the RuleML2013 Doctoral Consortium.

The 7th International Web Rule Challenge is one of the highlights at RuleML2013 Conference, providing a competition among innovative rule-oriented applications that are aimed at both the research and industrial side. The International Web Rule Challenge is a forum where new ways of the use of rule-based systems are presented and practical experiences about implementing these systems are reported. The Challenge is devoted to disseminating the most advanced practical experiences with rule-based applications. These papers include rule-based implementations/tools/applications, editing environments and IDEs for Web rules, demonstrations of engineering methods, implementations of rule standards, demos, case studies, use cases, experience reports, best practice solutions, rule benchmarks and evaluations. The Challenge session also features an invited demo paper by Monica Palmirani on RAWE, an editor for rule markup of legal texts and conversion to LegalRuleML based on Akoma Ntoso markup. This year, the major topics of the Challenge papers were: extensions and implementations of rule-related standards (W3C RIF, RuleML, SBVR, BPMN, BPEL), defeasible reasoning, editing environments and IDEs for Web rules, distributed rule bases and rule services, and e-reports on industrial experience about rule systems.

The RuleML Doctoral Consortium is part of the RuleML International Symposium on Rules since 2011. It attracts Ph.D. researchers in the area of Rules and Markup Languages from different backgrounds (e.g. theoretical, application, vertical domain-specific) and encourages a constructive and fruitful interdisciplinary approach. At the doctoral symposium, students present their ideas in a dynamic and friendly setting as well as interact with academics and commercial experts in the field, who evaluate their research projects from both theoretical and application points of view.

The Human Language Technology Track addresses the knowledge acquisition bottleneck that arises when converting the vast amount of regulatory text on the Web expressed in natural language to formal, machine-processable rules. Six papers in total were accepted to the Track, three of which appear in the associated LNCS volume and three of which appear in this volume. Topics represented in the Track include using controlled languages, extracting semantic information from legislative text, and mapping English onto fuzzy logic. There are six talks and one tutorial.

We warmly thank all authors, students, supervisors, referees, co-chairs, members of the program committee and the organizing team that made the RuleML2013 Symposium, International Web Rule Challenge, and Doctoral Consortium a great success.

July 2013

Paul Fodor, Dumitru Roman, Darko Anicic, Adam Wyner, Monica Palmirani, Davide Sottara, François Lévy