

Preface

This volume presents some results of researchers in a rule-based modeling and reasoning community. The maturity of the research in the discipline and the recent development in commercial/industrial rule applications provided an opportunity to produce this workshop. The workshop aims to be a common space where those with experience or interest in rule modeling, rule languages and rule engines meet researchers with expertise in other areas such as: Artificial Intelligence, Business Process Modeling, Cloud Computing, Intelligent Agents, Model-Driven Architecture, and Semantic Web.

We look on contributions addressing, but not limited to, the following topics:

- Artificial Intelligence Rules and Rule Systems
- Best Practices in Business Rules
- Combining rules and ontologies
- Rules in Enterprise Modeling
- Implemented tools and systems
- Rules and Web Services Integration
- Rules Modeling and Business Processes(including Production Rules and ECA Rules)
- Rule base Visualization, Verbalization, Validation, Verification and Exception Handling.
- Rule-based agents modeling and simulation
- Rule-based modeling of mechanisms, policies, strategies and contracts.
- Rule Engines Architectures
- Rules in Web 2.0 and Enterprise 2.0

This year we accepted five papers from the area of reaction rules applications, rule verification, rule-based reasoning with ontologies, rule engines, and rule-based reasoning with reaction rules. Boehm and Kanne introduced messaging rules as a programming model for enterprise application integration, Sergey Lukichev wrote on the declarative approach for anomaly detection in production rule bases using semantic constraints, Nalepa et al, reports on HeaRT, a complete custom rule runtime environment executing XTT2 rule bases, Papataxiarhis et al, uses SWRL and OWL ontologies to create *i-footman* a knowledge-based framework aiming to provide assistive services to football managers and Emilian Pascalau wrote on built-in actions and predicates for JSON rules.

The organizers would like to thank all who contributed to the success of the workshop. We thank all authors for submitting papers to the workshop, and we thank the members of the program committee as well as the external reviewers for reviewing and collaboratively discussing the submissions. For the submission and reviewing process we used the EasyChair system, for which the organizers would like to thank Andrei Voronkov, the developer of the system.

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