

# 《Rules and Rule Marku》

## 图书基本信息

书名：《Rules and Rule Markup Languages for the Semantic Web语义网规则与规则标记语言》

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## 内容概要

This book constitutes the refereed proceedings of the First International Conference on Rules and Rule Markup Languages for the Semantic Web, RuleML 2005, held in Galway, Ireland in November 2005 co-located with the 4th International Semantic Web Conference, ISWC 2005. The 18 revised full papers presented together with 2 invited talks were carefully reviewed and selected from around 30 submitted papers. The papers present information about requirements, applications, technology solutions, and the latest research on rule languages and standards, with the ultimate goal of advancing a standard framework for Semantic Web rules - critical to the early adoption and applications of knowledge-based techniques in e-business, especially enterprise integration and B2B e-commerce. This includes knowledge representation (KR) theory and algorithms; markup languages based on such KR; engines, translators, and other tools; relationships to standardization efforts; and, not least, applications.

## 书籍目录

Towards an Event-Driven Architecture: An Infrastructure for Event Processing Position Paper  
Enabling Semantic Web Inferencing with Oracle Technology: Applications in Life Sciences  
A Realistic Architecture for the Semantic Web  
Active Rules in the Semantic Web: Dealing with Language Heterogeneity  
Towards an Abstract Syntax and Direct-Model Theoretic Semantics for RuleML  
A Semantic Web Framework for Interleaving Policy Reasoning and External Service Discovery  
Reactive Rules-Based Dependency Resolution for Monitoring Dynamic Environments  
Towards Discovery of Frequent Patterns in Description Logics with Rules  
Design and Implementation of an ECA Rule Markup Language  
Extending the SweetDeal Approach for e-Procurement Using SweetRules and RuleML  
Using SWRL and OWL to Capture Domain Knowledge for a Situation Awareness Application Applied to a Supply Logistics Scenario  
A Semantic Web Based Architecture for e-Contracts in Defeasible Logic  
Merging and Aligning Ontologies in dl-Programs  
A Visual Environment for Developing Defeasible Rule Bases for the Semantic Web  
Flavours of XChange, a Rule-Based Reactive Language for the (Semantic) Web  
Rule-Based Framework for Automated Negotiation: Initial Implementation  
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