

1. Record Nr.	UNINA9910483234003321
Titolo	Rules and Reasoning : International Joint Conference, RuleML+RR 2017, London, UK, July 12–15, 2017, Proceedings // edited by Stefania Costantini, Enrico Franconi, William Van Woensel, Roman Kontchakov, Fariba Sadri, Dumitru Roman
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2017
ISBN	3-319-61252-2
Edizione	[1st ed. 2017.]
Descrizione fisica	1 online resource (XVIII, 239 p. 43 illus.)
Collana	Programming and Software Engineering ; ; 10364
Disciplina	025.04
Soggetti	Computer programming Programming languages (Electronic computers) Mathematical logic Artificial intelligence Software engineering Application software Programming Techniques Programming Languages, Compilers, Interpreters Mathematical Logic and Formal Languages Artificial Intelligence Software Engineering Computer Applications
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Includes index.
Nota di contenuto	Opening the Black Box: Deriving Rules from Data -- The secret life of rules in Software Engineering -- Meta-Interpretive Learning: achievements and challenges -- Dischargeable Obligations in Abductive Logic Programming -- Using Rule-Based Reasoning for RDF Validation -- Three Methods for Revising Hybrid Knowledge Bases -- Can My Test Case Run on Your Test Plant? A Logic-Based Compliance Check and its Evaluation on Real Data -- Semantic DMN: Formalizing Decision Models with Domain Knowledge -- A set-theoretic approach

to ABox reasoning services -- Verifying Controllability of Time-Aware Business Processes -- A Decidable Conuence Test for Cognitive Models in ACT-R -- On the Chase for All Provenance Paths With Existential Rules -- Rewriting Queries with Negated Atoms -- Fast ABox Consistency Checking using Incomplete Reasoning and Caching -- An Online Tool for Tuning Fuzzy Logic Programs -- Hybrid ASP-based Approach to Pattern Mining -- nconsistency-tolerant Instance Checking in Tractable Description Logics -- ArgQL: A Declarative Language for Querying Argumentative Dialogues.

---

Sommario/riassunto

This book constitutes the proceedings of the International Joint Conference on Rules and Reasoning, RuleML+RR 2017, held in London, UK, during July 2017. This is the first conference of a new series, joining the efforts of two existing conference series, namely “RuleML” (International Web Rule Symposium) and “RR” (Web Reasoning and Rule Systems). The 16 regular papers presented together with 2 keynote abstracts were carefully reviewed and selected from 29 submissions. The RR conference series has been a forum for discussion and dissemination of new results on all topics concerning Web Reasoning and Rule Systems, with an emphasis on rule-based approaches and languages. The RuleML conference series has been devoted to disseminating research, applications, languages and standards for rule technologies, with attention to both theoretical and practical developments, to challenging new ideas and industrial applications. Both series of conferences aimed at building bridges between academia and industry in the field of rules and their applications. Therefore, RuleML+RR is expected to become a leading conference for all subjects concerning theoretical advances, novel technologies, and innovative applications about knowledge representation and reasoning with rules. This new joint conference provides a valuable forum for stimulating cooperation and cross-fertilization between the many different communities focused on the research, development and applications of rule-based systems. It provides the possibility to present and discuss applications of rules and reasoning in academia, industry, engineering, business, finance, healthcare and other application areas.

---