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Altri autori (Persone)	OnoHiroakira KanazawaMakoto <1964-> QueirozRuy J. G. B. de
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Soggetti	Artificial intelligence Computer science Algorithms Machine theory Computer science - Mathematics Discrete mathematics Artificial Intelligence Theory of Computation Formal Languages and Automata Theory Mathematics of Computing Discrete Mathematics in Computer Science
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Nota di bibliografia	Includes bibliographical references and author index.
Nota di contenuto	Tutorials and Invited Talks -- A Characterisation of Definable NP Search Problems in Peano Arithmetic -- Algebraic Valuations as Behavioral Logical Matrices -- Query Answering in Description Logics: The Knots Approach -- Mathematical Logic for Life Science Ontologies -- Recognizability in the Simply Typed Lambda-Calculus -- Logic-Based Probabilistic Modeling -- Contributed Papers -- Completions of Basic

Algebras -- Transformations via Geometric Perspective Techniques
 Augmented with Cycles Normalization -- Observational Completeness
 on Abstract Interpretation -- SAT in Monadic Gödel Logics: A Borderline
 between Decidability and Undecidability -- Learning by Questions and
 Answers: From Belief-Revision Cycles to Doxastic Fixed Points -- First-
 Order Linear-Time Epistemic Logic with Group Knowledge: An
 Axiomatisation of the Monodic Fragment -- On-the-Fly Macros --
 Abductive Logic Grammars -- On the Syntax-Semantics Interface: From
 Convergent Grammar to Abstract Categorical Grammar -- Observational
 Effort and Formally Open Mappings -- Forcing-Based Cut-Elimination
 for Gentzen-Style Intuitionistic Sequent Calculus -- Property Driven
 Three-Valued Model Checking on Hybrid Automata -- Team Logic and
 Second-Order Logic -- Ludics and Its Applications to Natural Language
 Semantics -- Spoilt for Choice: Full First-Order Hierarchical
 Decompositions -- Classic-Like Analytic Tableaux for Finite-Valued
 Logics -- A Duality for Algebras of Lattice-Valued Modal Logic -- An
 Independence Relation for Sets of Secrets -- Expressing Extension-
 Based Semantics Based on Stratified Minimal Models -- Deep Inference
 in Bi-intuitionistic Logic -- : An Action-Based Logic for Reasoning
 about Contracts -- Ehrenfeucht-Fraïssé Games on Random Structures
 -- Sound and Complete Tree-Sequent Calculus for Inquisitive Logic --
 The ArrowCalculus as a Quantum Programming Language --
 Knowledge, Time, and Logical Omniscience.

Sommario/riassunto

Edited in collaboration with FoLLI, the Association of Logic, Language
 and Information, this book constitutes the 4th volume of the FoLLI LNAI
 subline; containing the refereed proceedings of the 16h International
 Workshop on Logic, Language, Information and Computation, WoLLIC
 2009, held in Tokyo, Japan, in June 2009. The 25 revised full papers
 presented together with six tutorials and invited talks were carefully
 reviewed and selected from 57 submissions. The papers cover some of
 the most active areas of research on the frontiers between
 computation, logic, and linguistics, with particular interest in cross-
 disciplinary topics. Typical areas of interest are: foundations of
 computing and programming; novel computation models and
 paradigms; broad notions of proof and belief; formal methods in
 software and hardware development; logical approach to natural
 language and reasoning; logics of programs, actions and resources;
 foundational aspects of information organization, search, flow, sharing,
 and protection.
