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Altri autori (Persone)	DershowitzNachum VoronkovA <1959-> (Andrei)
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Soggetti	Software engineering Artificial intelligence Computer programming Computer science Machine theory Software Engineering Artificial Intelligence Programming Techniques Computer Science Logic and Foundations of Programming Formal Languages and Automata Theory
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Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	From Hilbert's Program to a Logic Toolbox -- On the Notion of Vacuous Truth -- Whatever Happened to Deductive Question Answering? -- Decidable Fragments of Many-Sorted Logic -- One-Pass Tableaux for Computation Tree Logic -- Extending a Resolution Prover for Inequalities on Elementary Functions -- Model Checking the First-Order Fragment of Higher-Order Fixpoint Logic -- Monadic Fragments of Gödel Logics: Decidability and Undecidability Results -- Least and Greatest Fixed Points in Linear Logic -- The Semantics of Consistency and Trust in Peer Data Exchange Systems -- Completeness and Decidability in Sequence Logic -- HORPO with Computability Closure: A

Reconstruction -- Zenon: An Extensible Automated Theorem Prover
 Producing Checkable Proofs -- Matching in Hybrid Terminologies --
 Verifying Cryptographic Protocols with Subterms Constraints --
 Deciding Knowledge in Security Protocols for Monoidal Equational
 Theories -- Mechanized Verification of CPS Transformations --
 Operational and Epistemic Approaches to Protocol Analysis: Bridging
 the Gap -- Protocol Verification Via Rigid/Flexible Resolution --
 Preferential Description Logics -- On Two Extensions of Abstract
 Categorical Grammars -- Why Would You Trust B? -- How Many Legs Do
 I Have? Non-Simple Roles in Number Restrictions Revisited -- On Finite
 Satisfiability of the Guarded Fragment with Equivalence or Transitive
 Guards -- Data Complexity in the Family of Description Logics -- An
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 Retractable Proof Nets of the Purely Multiplicative and Additive Fragment
 of Linear Logic -- Integrating Inductive Definitions in SAT -- The
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 Planning in Action Formalisms Based on Description Logics -- Faster
 Phylogenetic Inference with MXG -- Enriched ?-Calculus Pushdown
 Module Checking -- Approved Models for Normal Logic Programs --
 Permutative Additives and Exponentials -- Algorithms for Propositional
 Model Counting -- Completeness for Flat Modal Fixpoint Logics -- :
 Decidable Non-monotonic Disjunctive Logic Programs with Function
 Symbols -- The Complexity of Temporal Logic with Until and Since over
 Ordinals -- ATP Cross-Verification of the Mizar MPTP Challenge
 Problems.

Sommario/riassunto

This book constitutes the refereed proceedings of the 14th International Conference on Logic for Programming, Artificial Intelligence, and Reasoning, LPAR 2007, held in Yerevan, Armenia. It contains 36 revised full papers, 15 short papers and three invited talks that were carefully selected from 78 submissions. The papers address all current issues in logic programming, logic-based program manipulation, formal method, automated reasoning, and various kinds of AI logics.
