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Altri autori (Persone)	DershowitzNachum VoronkovA <1959-> (Andrei)
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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 Categorial 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 Extension of the Knuth-Bendix Ordering with LPO-Like Properties -- Retractile Proof Nets of the Purely Multiplicative and Additive Fragment of Linear Logic -- Integrating Inductive Definitions in SAT -- The Separation Theorem for Differential Interaction Nets -- Complexity of Planning in Action Formalisms Based on Description Logics -- Faster Phylogenetic Inference with MXG -- Enriched \mathcal{P} -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.
