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Soggetti	Artificial intelligence Computers Mathematical logic Computer logic Software engineering Algorithms Artificial Intelligence Theory of Computation Mathematical Logic and Formal Languages Logics and Meanings of Programs Software Engineering Algorithm Analysis and Problem Complexity Kongress. Trient (2009)
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Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Invited Talks -- Building SMT-Based Software Model Checkers: An Experience Report -- Combining Nonmonotonic Knowledge Bases with External Sources -- Combining Description Logics, Description Graphs, and Rules -- Combining Equational Reasoning -- Technical Papers -- Superposition Modulo Linear Arithmetic SUP(LA) -- Unification Modulo Homomorphic Encryption -- Argument Filterings and Usable Rules for

Simply Typed Dependency Pairs -- DL-Lite with Temporalised Concepts, Rigid Axioms and Roles -- Runtime Verification Using a Temporal Description Logic -- Axiomatization and Completeness of Lexicographic Products of Modal Logics -- Automating Theories in Intuitionistic Logic -- Taming the Complexity of Temporal Epistemic Reasoning -- Putting ABox Updates into Action -- A Declarative Agent Programming Language Based on Action Theories -- Termination Modulo Combinations of Equational Theories -- Combinations of Theories for Decidable Fragments of First-Order Logic -- Products of Modal Logics with Diagonal Constant Lacking the Finite Model Property -- Improving Coq Propositional Reasoning Using a Lazy CNF Conversion Scheme -- Combining Instance Generation and Resolution -- Data Structures with Arithmetic Constraints: A Non-disjoint Combination -- Efficient Combination of Decision Procedures for MUS Computation -- Learning to Integrate Deduction and Search in Reasoning about Quantified Boolean Formulas -- Combining Theories with Shared Set Operations.

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Sommario/riassunto

This book constitutes the refereed proceedings of the 7th International Symposium on Frontiers of Combining Systems, FroCoS 2007, held in Trento, Italy, September 16-18, 2009. The 20 revised full papers presented were carefully reviewed and selected. The papers are organized in topical sections on combinations of logics, theories, and decision procedures; constraint solving and programming; combination issues in rewriting and programming as well as in logical frameworks and theorem proving systems.

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