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Altri autori (Persone)	LiuZhiming <1961-> RavnAnders P
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Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Invited Talks Verifying VLSI Circuits 3-Valued Abstraction for (Bounded) Model Checking Local Search in Model Checking State Space Reduction Exploring the Scope for Partial Order Reduction State Space Reduction of Linear Processes Using Control Flow Reconstruction A Data Symmetry Reduction Technique for Temporal-epistemic Logic Tools TAPAAL: Editor, Simulator and Verifier of Timed-Arc Petri Nets CLAN: A Tool for Contract Analysis and Conflict Discovery UnitCheck: Unit Testing and Model Checking Combined Probabilistic Systems LTL Model Checking of Time- Inhomogeneous Markov Chains Statistical Model Checking Using Perfect Simulation Quantitative Analysis under Fairness Constraints A Decompositional Proof Scheme for Automated Convergence Proofs of Stochastic Hybrid Systems Medley Memory Usage Verification Using Hip/Sleek Solving Parity Games in Practice Automated Analysis of Data-Dependent Programs with Dynamic Memory Temporal Logic I On-the-fly Emptiness Check of Transition-Based Streett Automata On Minimal Odd Rankings for Büchi

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	Complementation Specification Languages for Stutter-Invariant Regular Properties Abstraction and Refinement Incremental False Path Elimination for Static Software Analysis A Framework for Compositional Verification of Multi-valued Systems via Abstraction- Refinement Don't Know for Multi-valued Systems Logahedra: A New Weakly Relational Domain Fault Tolerant Systems Synthesis of Fault-Tolerant Distributed Systems Formal Verification for High- Assurance Behavioral Synthesis Dynamic Observers for the Synthesis of Opaque Systems Temporal Logic II Symbolic CTL Model Checking of Asynchronous Systems Using Constrained Saturation LTL Model Checking for Recursive Programs On Detecting Regular Predicates in Distributed Systems.
Sommario/riassunto	This book constitutes the proceedings of the 7th International Symposium on Automated Technology for Verification and Analysis, ATVA 2009, held in Macao, China, in October 2009. The 23 regular papers and 3 took papers presented together with 3 invited talks, were carefully reviewed and selected from 74 research papers and 10 tool papers submissions. The papers are organized in topical sections on state space reduction, tools, probabilistic systems, medley, temporal logic, abstraction and refinement, and fault tolerant systems.