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Collana	Programming and Software Engineering ; ; 9938
Disciplina	004.015113
Soggetti	Software engineering Programming languages (Electronic computers) Computer logic Mathematical logic Artificial intelligence Computer programming Software Engineering Programming Languages, Compilers, Interpreters Logics and Meanings of Programs Mathematical Logic and Formal Languages Artificial Intelligence Programming Techniques
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Keynote -- Synthesizing and Completely Testing Hardware based on Templates through Small Numbers of Test Patterns -- Markov Models, Chains, and Decision Processes -- Approximate Policy Iteration for Markov Decision Processes via Quantitative Adaptive Aggregations. - Optimizing the Expected Mean Payoff in Energy Markov Decision Processes -- Parameter Synthesis for Markov Models: Faster Than Ever -- Bounded Model Checking for Probabilistic Programs -- Counter Systems, Automata -- How Hard Is It to Verify Flat Affine Counter

Systems with the Finite Monoid Property -- Solving Language Equations
 using Flanked Automata -- Spot 2.0 - a Framework for LTL and -
 Automata Manipulation -- MoChiBA: Probabilistic LTL Model Checking
 Using Limit- Deterministic Büchi Automata -- Parallelism, Concurrency
 -- Synchronous Products of Rewrite Systems -- Specifying and
 Verifying Secrecy in Workflows with Arbitrarily Many Agents -- Lazy
 Sequentialization for the Safety Verification of Unbounded Concurrent
 Programs -- Parallel SMT-Based Parameter Synthesis with Application
 to Piecewise Multi-Affine Systems -- Complexity, Decidability -- On
 Finite Domains in First-Order Linear Temporal Logic -- Decidability
 Results for Multi-Objective Stochastic Games -- A Decision Procedure
 for Separation Logic in SMT -- Solving Mean-Payoff Games on the GPU
 -- Synthesis, Refinement -- Synthesizing Skeletons for Reactive
 Systems -- Observational Refinement and Merge for Disjunctive MTSs
 -- Equivalence-Based Abstraction Refinement for muHORS Model
 Checking -- Optimization, Heuristics, Partial-Order Reductions --
 Greener Bits: Formal Analysis of Demand Response -- Heuristics for
 Checking Liveness Properties with Partial Order Reductions. - Partial-
 Order Reduction for GPU Model Checking -- Efficient Verification of
 Program Fragments: Eager POR -- Solving Procedures, Model Checking
 -- Skolem Functions for DQBF -- STL Model Checking of Continuous
 and Hybrid Systems -- Clause Sharing and Partitioning for Cloud-Based
 SMT Solving -- Symbolic Model Checking for Factored Probabilistic
 Models -- Program Analysis -- A Sketching-Based Approach for
 Debugging Using Test Cases -- Polynomial Invariants by Linear Algebra
 -- Certified Symbolic Execution -- Tighter Loop Bound Analysis. .

Sommario/riassunto

This book constitutes the proceedings of the 14th International
 Symposium on Automated Technology for Verification and Analysis,
 ATVA 2016, held in Chiba, Japan, in October 2016. The 31 papers
 presented in this volume were carefully reviewed and selected from 82
 submissions. They were organized in topical sections named: keynote;
 Markov models, chains, and decision processes; counter systems,
 automata; parallelism, concurrency; complexity, decidability; synthesis,
 refinement; optimization, heuristics, partial-order reductions; solving
 procedures, model checking; and program analysis. .
